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ANNUAL SUMMARY OF VITAL STATISTICS

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KANSAS

1980

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Kansas Department of Health and Environment

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ANNUAL SUMMARY
OF VITAL STATISTICS
KANSAS, 1980

John Carlin, Governor

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
1974

Joseph F. Harkins
Secretary of Health and Environment

Prepared by the Bureau of
Registration and Health Statistics

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HIGHLIGHTS

Live Births

The Kansas live birth rate increased by 4.2 percent in 1980, from 16.5 live births per thousand population in 1979 to 17.2 in 1980. (p. 27)

Kansas birth rates and fertility rates have followed a pattern similar to national birth and fertility rates during the past twenty years. (Figure 5, p. 26 and Figure 6, p. 28)

Of the 40,686 births in 1980, only 185 (0.5 percent) occurred outside of the hospital setting. (p. 29)

In 1980 out-of-wedlock births to Kansas residents reached 4,979; the highest number recorded in a single year. These out-of-wedlock births represented 12.2 percent, a record high, of all live births in 1980. (Table 4, p. 32 and Figure 8, p. 33)

Birth-Related Mortality

Neonatal deaths totaled 269 in 1980, a decrease of 10.6 percent from the 301 recorded in 1979. (Table 1, p. 14)

In 1980 the number of abortions reported in Kansas decreased 3.7 percent, from 13,901 in 1979 to 13,381 in 1980. (p. 37)

There has been a general downward trend in the number of Perinatal Deaths since 1955. The number of deaths decreased from 1,604 in 1955 to 566 in 1980. (Figure 11, p. 41 and Table 5, p. 42)

In 1980 the Kansas infant death rate reached a record low of 10.1 per thousand live births. The Kansas rate was 19.2 percent lower than the estimated United States rate of 12.5. (p. 43)

Congenital anomalies was the most common cause of infant death in Kansas in 1980 and accounted for 24.8 percent of all infant deaths. (Table 6, p. 45)

General Mortality

The Kansas death rate increased by 4.5 percent in 1980, from 8.9 per thousand population in 1979 to 9.3 in 1980. (Figure 14, p. 49)

The average age at death of Kansas residents in 1980 was 70.7 years. The average age of males in 1980 was 67.3 at the time of death; that of females was 74.6. (Table 7, p. 53)

Highlights (cont.)

Heart disease, cancer, cerebrovascular disease and accidents were the four leading causes of death among Kansans in 1980 and accounted for 72.5 percent of all deaths. (Figure 18, p. 59)

Heart disease, the number one cause of death in Kansas claimed 8,369 lives in 1980 and constituted 38.2 percent of the total number of deaths. (Figure 18, p. 59)

The cancer death rate in Kansas was 177.1 in 1980, 4.9 percent lower than the estimated national rate of 186.3. (p. 57)

The Kansas suicide rate was 10.9 in 1980, 8.4 percent lower than the estimated 1980 national rate of 11.9. (p. 67)

The Kansas homicide and legal intervention rate was 7.5 per hundred thousand population in 1980; 30.6 percent lower than the estimated national rate of 10.8. (p. 67)

In 1980, only 452 deaths were attributed to atherosclerosis; yet 1,695 of the ten leading underlying causes listed atherosclerosis as a contributing factor. (Table 16, p. 70)

Marriages

The 24,847 marriages performed in Kansas in 1980 represented a 0.3 percent increase over the 24,774 performed in 1979. The marriage rate remained unchanged from the previous year at 10.5 per 1,000 population. (p. 73, and Figure 20, p. 72)

More wedding ceremonies were performed in August than any other month in 1980, with June and May being the second and third most popular months. (p. 76)

Divorces and Annulments

The number of divorces and annulments granted in Kansas increased 5.2 percent from the 12,749 in 1979 to 13,410 in 1980. The divorce rate reached a record high of 5.6 in 1980. (p. 79, and Figure 20, p. 72)

Marriages ending in divorce lasted an average of 7.7 years, while those receiving annulments lasted an average of 1.3 years. (p. 81)

INTRODUCTION

KANSAS VITAL STATISTICS FOR 1980

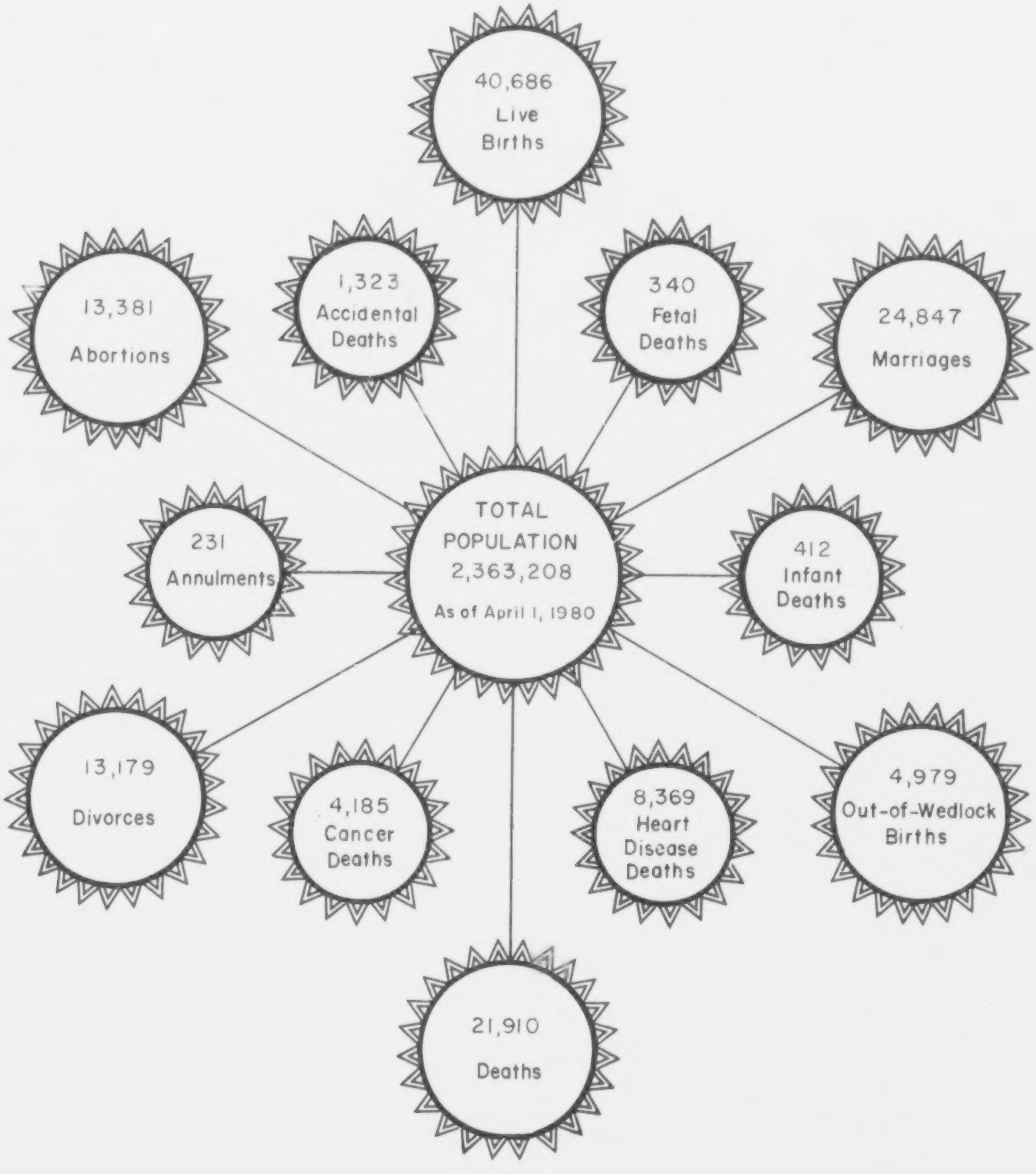

40,686 Live Births
1,323 Accidental Deaths
340 Fetal Deaths
13,381 Abortions
24,847 Marriages
231 Annulments
TOTAL POPULATION 2,363,208 As of April 1, 1980
412 Infant Deaths
13,179 Divorces
4,185 Cancer Deaths
8,369 Heart Disease Deaths
4,979 Out-of-Wedlock Births
21,910 Deaths

Figure 1

Marriages, divorces, annulments and abortions are displayed above as occurrence data and all other vital statistics represent residence data.

INTRODUCTION

The Bureau of Registration and Health Statistics presents the 1980 edition of the Kansas Annual Summary of Vital Statistics. This report is a summary of data compiled from vital and health records for the 1980 calendar year. The contents include information on population, abortion, and such vital events as live births, fetal deaths, deaths, marriages, divorces and annulments.

Registration

The statewide registration of marriage, birth and death records was initially established as a statutory duty of the Kansas State Board of Health (now the Kansas Department of Health and Environment) in 1885. At that time the law, K.S.A. 65-102, specifically provided that, "the state board of health shall supervise the registration of marriages, births and deaths, and also the registration of forms of disease prevalent in the state; and the secretary of said board shall superintend the registration of the vital statistics of the state." With the establishment of the Division of Vital Statistics (now the Bureau of Registration and Health Statistics) in 1911, systematic filing of the birth and death records at the State level was begun. Registration requirements for marriages and divorces were initiated in 1913 and 1951, respectively. Since registration of vital events began seventy years ago, over six million records have been processed, filed and indexed.

Technical Notes

The information presented in this report includes statistics compiled from records received during 1980 and any delayed 1980 events registered during the first four months of 1981. Certificates which were submitted after that time are considered to be negligible for purposes of annual statistical compilations. Therefore, no adjustments have been made for under-registration.

The data contained in this annual summary is primarily residence data and refers to events happening to Kansas residents (classified by county of usual residence) regardless of where the event occurred. Mother's usual residence is utilized with reference to births and fetal deaths (stillbirths). In many instances abortion information refers to all occurrences within the State; however residence data are occasionally referenced. Marriages, divorces and annulments are occurrence data, for residents and nonresidents, in that marriages are recorded by county of marriage and divorces and annulments by county of decree. In many cases annulments have been grouped with divorces for purposes of presentation in this report.

State, county and city population figures for 1980 utilized throughout the report were obtained from the U.S. Bureau of the Census. The 1979 population estimates were prepared by the Bureau of Registration and Health Statistics, Kansas Department of Health and Environment (KDHE) and were computed by using U.S. Bureau of the Census figures as a base and extrapolating by the method of least squares regression. Population figures prior to 1979 were obtained from compilations prepared by the State Board of Agriculture from reports by county appraisers.

The KDHE estimates were used in 1979 because (1) the Agricultural Census had been terminated by the Legislature and additionally (2) students, military personnel, inmates of institutions and also migrant workers are assigned to the last prior legal residence by the Agricultural Census and to their current place of abode by the U.S. Census. Health care needs for military, migrant workers, students, etc. can best be addressed by using their current residence rather than their permanent residence.

The difference in residence assignment for students and military accounts for the largest difference in county populations between 1978 and 1979 as shown in Table 23. (i.e. Geary and Riley counties) Note that Geary County had a birth rate of 42.6 per 1,000 population in 1980 compared to 57.1 in 1978. The magnitude of the difference is primarily due to the fact that prior to 1979 the Agricultural Census was used as the basis for computing rates; hence babies born to military wives were counted in our numerator, but the military population was omitted in the denominator.

In many cases rates and ratios are based upon a small number of events and/or a small population or upon a different population base. Therefore, care should be exercised in the interpretation of these data as they may not be indicative of actual trends.

Comments and suggestions concerning the contents or general format of this report are welcome and should be directed to the Bureau of Registration and Health Statistics. Since this publication is only a summary, many details which are being tabulated for inclusion in the Bureau's permanent statistical files are not presented. More detailed information may be obtained from the Bureau upon request.

DEFINITIONS

DEFINITIONS

The following terms, formulas and symbols are defined for more meaningful interpretation of the data contained in this report.

TERMS

Abortion: (induced termination of pregnancy)	The purposeful interruption of pregnancy with the intention other than to produce a liveborn infant or to remove a dead fetus and which does not result in a live birth.
Birth Weight:	The weight of the fetus or infant at the time of delivery.
Cause of Death:	The underlying cause of death, or that condition giving rise to the chain of events leading to death.
Fetal Death:	The complete expulsion or extraction of a product of human conception from its mother, which weighs more than 350 grams and which is, irrespective of the duration of pregnancy, not a live birth. (Intentionally aborted fetuses which weigh more than 350 grams are not included as fetal deaths in this report.)
Hebdomadal Deatn:	The death of a liveborn infant which occurs prior to the seventh day of life.
I.C.D. Code:	The disease-identifying number classified in the *Ninth Revision of the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Adapted (1975)*.
Infant Death:	The death of a liveborn infant which occurs within the first year of life.
Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, which, after such expulsion or extraction, shows any evidence of life such as breathing, heart beat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached.

Maternal Death:	The death of a mother caused by complications of pregnancy, childbirth or the puerperium.
Natural Increase:	Live births minus total deaths of a population within a given year.
Neonatal Death:	The death of a liveborn infant which occurs prior to the twenty-eighth day of life.
Net Migration:	The population increase or decrease minus the natural increase.
Occurrence Data:	Vital statistics compiled on the basis of where the vital event actually occurred.
Out-of-Wedlock Birth:	A birth occurring to a mother who is not married at the time of conception, at the time of birth or at any time between conception and birth.
Perinatal Period III Death:	The death of a fetus which weighs more than 350 grams or of a liveborn infant during the hebdomadal period (less than seven days after birth).
Population Density:	The average number of inhabitants per square mile.
Premature Birth:	Birth of an infant weighing 2,500 grams (5 lbs. 8 oz.) or less at the time of birth.
Residence Data:	Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred.
Total Births:	All live births plus fetal deaths.

RATES AND RATIOS

Abortion Ratio:	$\frac{\text{induced abortions}}{\text{live births}}$	X 1,000
Birth Rate:	$\frac{\text{live births}}{\text{total population}}$	X 1,000
Death Rate:	$\frac{\text{total deaths}}{\text{total population}}$	X 1,000
Disease-Specific Death Rate:	$\frac{\text{disease-specific deaths}}{\text{total population}}$	X 100,000

Divorce Rate:	$\frac{\text{divorces}}{\text{total population}}$	X 1,000
Divorce and Annulment Rate:	$\frac{\text{divorces and annulments}}{\text{total population}}$	X 1,000
Fertility Rate:	$\frac{\text{live births}}{\text{female population 15-44}}$	X 1,000
Fetal Death Rate:	$\frac{\text{fetal deaths}}{\text{total births}}$	X 1,000
Hebdomadal Death Rate:	$\frac{\text{hebdomadal deaths}}{\text{live births}}$	X 1,000
Infant Death Rate:	$\frac{\text{infant deaths}}{\text{live births}}$	X 1,000
Marriage Rate:	$\frac{\text{marriages}}{\text{total population}}$	X 1,000
Maternal Death Rate:	$\frac{\text{maternal deaths}}{\text{live births}}$	X 10,000
Natural Increase Rate:	$\frac{\text{live births minus total deaths}}{\text{total population}}$	X 1,000
Neonatal Death Rate:	$\frac{\text{neonatal deaths}}{\text{live births}}$	X 1,000
Net Migration Rate:	$\frac{\text{net migration}}{\text{total population}}$	X 1,000
Out-of-Wedlock Birth Ratio:	$\frac{\text{out-of-wedlock births}}{\text{live births}}$	X 100
Perinatal Period III Death Rate:	$\frac{\text{Perinatal Period III deaths}}{\text{total births}}$	X 1,000
Premature Birth Ratio:	$\frac{\text{premature births}}{\text{live births}}$	X 100

SYMBOLS AND ABBREVIATIONS

n.s.	not stated
n.a.	not available
n/a	not applicable
-	zero
0.0	quantity or percent more than zero but less than 0.05.
...	rate or percent not applicable
*	rate, ratio, or percent does not meet statistical standards of precision or reliability (designated whenever the denominator is less than 100).

SUMMARY OF VITAL EVENTS

Table 1
Vital Events and Percent Change
Kansas, 1980, 1979 and 1970

Vital Event	1980	1979	Percent Change 1979 to 1980	1970	Percent Change 1970 to 1980
Total Births........	41,026	39,246	+ 4.5	38,672	+ 6.1
Live Births.........	40,686	38,916	+ 4.5	38,215	+ 6.5
Premature.........	2,363	2,476	-4.6	2,721	-13.2
Out-of-wedlock....	4,979	4,593	+ 8.4	3,034	+64.1
Fetal Deaths........	340	330	+ 3.0	457	-25.6
Total Deaths........	21,910	21,062	+ 4.0	21,851	+ 0.3
Perinatal Deaths..	566	590	- 4.1	934	-39.4
Hebdomadal Deaths.	226	260	-13.1	477	-52.6
Neonatal Deaths...	269	301	-10.6	524	-48.7
Infant Deaths.....	412	427	- 3.5	675	-39.0
Maternal Deaths...	4	3	*	5	*
Marriages...........	24,847	24,774	+ 0.3	22,421	+10.8
Divorces............	13,179	12,526	+ 5.2	8,555	+54.1
Annulments..........	231	223	+ 3.6	230	+ 0.4

Residence data are presented for births and deaths.
Occurrence data are presented for marriages, divorces and annulments.

SUMMARY OF VITAL EVENTS

Registration of Kansas vital events (live births, total deaths, fetal deaths, marriages, divorces and annulments) increased slightly from 97,831 in 1979 to 101,193 in 1980, an increase of 3.4 percent. All of these vital events increased between 1979 and 1980. Table 1 compares these vital events of 1980 with those of 1979 and 1970.

The largest percentage changes between 1979 and 1980 were a 13.1 percent decline in the number of hebdomadal deaths and a 10.6 percent decline in the number of neonatal deaths. Between 1970 and 1980, the number of out-of-wedlock births has increased 64.1 percent and the number of hebdomadal deaths has decreased 52.6 percent.

Another method of examining trends in vital events is the comparison of rates from year to year. Table 2 examines these rates (rate computations are described on pages 10 and 11) from 1970 to 1980 and the rates are graphically presented in Figure 2 .

The live birth rate increased by 4.2 percent in 1980, from 16.5 in 1979 to 17.2 in 1980. The total death rate increased by 4.5 percent, from 8.9 in 1979 to 9.3 in 1980. The marriage rate was 10.5 per thousand population in 1980 and has remained between 10.0 and 10.7 since 1970. The divorce and annulment rate in 1980 reached a record high of 5.7.

Infant, hebdomadal and neonatal death rates decreased considerably after 1971. The fetal death rate declined from 8.4 in 1979 to 8.3 in 1980.

The remainder of this report elaborates on each of these vital events, summarizing the data from 1980 vital and health records, depicting trends and comparing Kansas events with those for the United States where appropriate.

Table 2
Vital Events by Number, Rate and Ratio*
Kansas, 1970-1980

Vital Event	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Live Births											
Number....................	38,215	36,006	33,176	31,972	32,712	33,707	35,278	36,827	36,581	38,916	40,686
Rate......................	17.0	16.0	14.6	13.9	14.2	14.6	15.2	15.7	15.5	16.5	17.2
Out-of-Wedlock Births											
Number....................	3,034	2,927	2,829	2,742	2,867	3,205	3,491	3,873	4,183	4,593	4,979
Ratio.....................	8.0	8.1	8.5	8.6	8.8	9.5	9.9	10.5	11.4	11.8	12.2
Fetal Deaths											
Number....................	423	380	375	355	379	341	364	308	331	330	340
Rate......................	10.9	10.4	11.2	11.0	11.5	10.0	10.2	8.3	9.0	8.4	8.3
Hebdomadal Deaths											
Number....................	477	506	410	342	354	304	310	335	254	260	226
Rate......................	12.5	14.1	12.4	10.7	10.8	9.0	8.8	9.1	6.9	6.7	5.6
Perinatal Period III Deaths											
Number....................	900	886	785	697	733	645	674	643	585	590	566
Rate......................	23.3	24.4	23.4	21.6	22.2	18.9	18.9	17.3	15.8	15.0	13.8
Neonatal Deaths											
Number....................	524	553	441	374	393	341	365	373	302	301	269
Rate......................	13.7	15.4	13.3	11.7	12.0	10.1	10.3	10.1	8.3	7.7	6.6
Infant Deaths											
Number....................	675	697	570	496	514	468	492	480	440	427	412
Rate......................	17.7	19.4	17.2	15.5	15.7	13.9	13.9	13.0	12.0	11.0	10.1
Maternal Deaths											
Number....................	5	7	2	5	6	6	1	4	8	3	4
Rate......................	1.3	1.9	0.6	1.6	1.8	1.8	0.3	1.1	2.2	0.8	1.0
Total Deaths											
Number....................	21,851	22,182	22,335	22,725	22,156	21,726	21,780	21,271	21,566	21,062	21,910
Rate......................	9.7	9.9	9.8	9.9	9.6	9.4	9.4	9.1	9.1	8.9	9.3
Marriages											
Number....................	22,421	22,528	23,879	24,592	24,491	23,767	23,559	23,673	23,975	24,774	24,847
Rate......................	10.0	10.0	10.5	10.7	10.7	10.3	10.1	10.1	10.2	10.5	10.5
Divorces and Annulments											
Number....................	8,785	9,461	9,925	10,472	11,484	12,561	12,833	12,629	12,668	12,749	13,410
Rate......................	3.9	4.2	4.5	4.6	5.0	5.4	5.5	5.4	5.4	5.4	5.7

*Rate and Ratio computations are explained on pages 10 and 11.
Residence data are presented for births and deaths.
Occurrence data are presented for marriages, divorces and annulments.

SELECTED VITAL EVENT RATES
KANSAS, 1970 - 1980

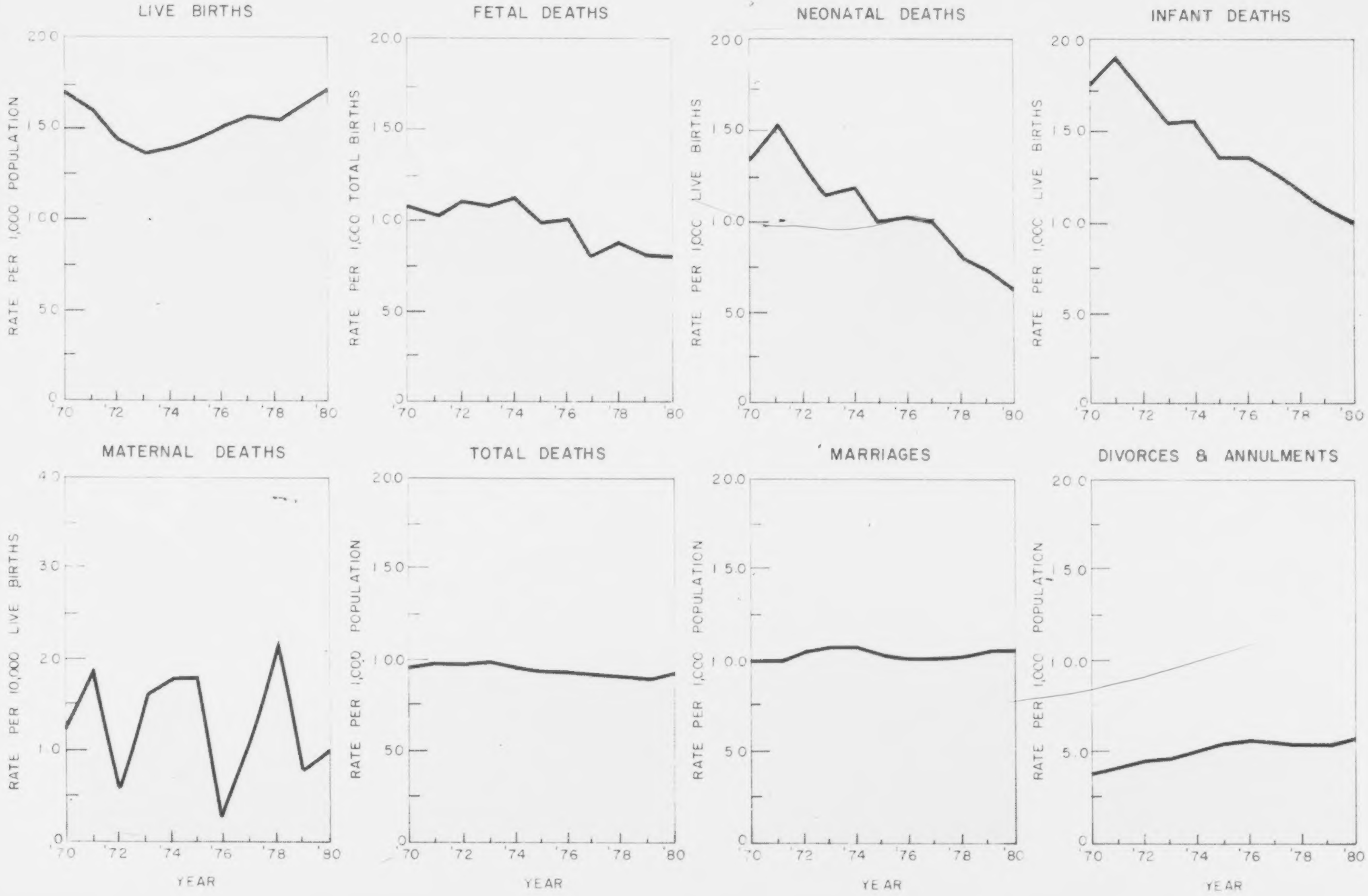
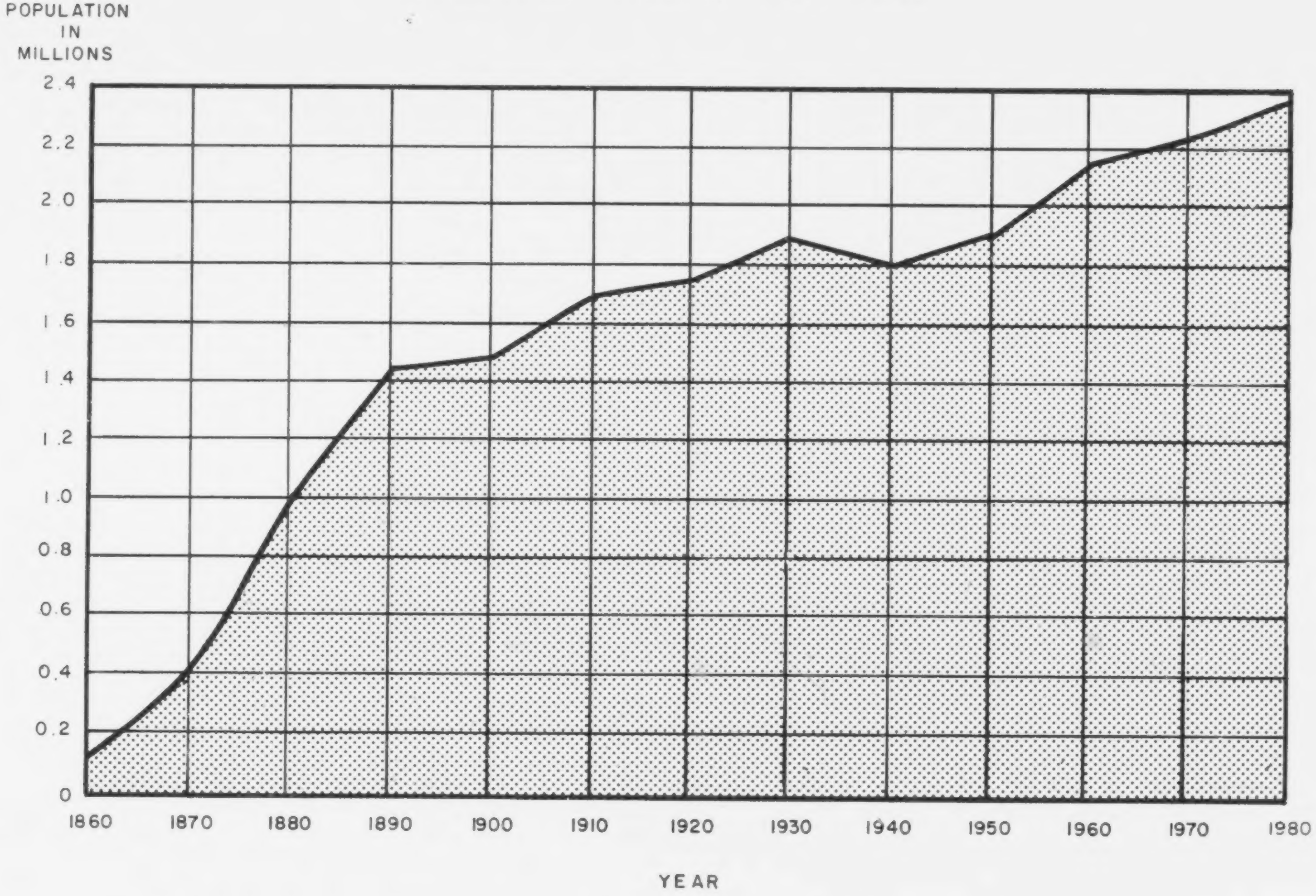


Figure 2

POPULATION

POPULATION GROWTH IN KANSAS
SELECTED YEARS, 1860-1980



Source of Population Counts: United States Bureau of the Census

Figure 3

POPULATION

According to figures released by the U.S. Bureau of the Census the population of Kansas on April 1, 1980 was 2,363,208. This is an increase of .05 percent, or 1,133, over that estimated by the Bureau of Registration and Health Statistics for July 1, 1979.

As depicted in Figure 3, Kansas experienced its greatest population growth during the second half of the nineteenth century. During the thirty-year period from 1860 to 1890 population increased thirteen-fold. The next thirty years demonstrated slower growth, increasing by less than two-fold from 1890 to 1920. The reduction in the birth rate and the increase in out-migration during the Depression Years of the 1930's resulted in a decrease in total population of almost four percent. Population began increasing again with the onset of World War II. The economic prosperity of the Fifties and the ensuing "Baby Boom" were reflected in a population increase of almost 12 percent from 1950 to 1960. Slowed growth was again exhibited during the Sixties when population increased 5.6 percent during that decade. Over the past ten years the population has increased only 5.1 percent from a total of 2,249,071 in 1970 to the present total of 2,363,208 in 1980. Population estimates, as well as annual increases or decreases for the past thirty years are shown in Table 3. (County population totals, 1976 to 1980, are given in Appendix Table 23.)

Natural Increase and Net Migration

The combined factors of the natural increase (live births minus total deaths) and net migration (actual population increase or decrease minus the natural increase) determine population growth. The annual natural increase and net migration from 1950 to 1980 are exhibited in Table 3. The highest natural increase during the period was 34,319 in 1954, which represents a natural increase rate of 17.2 per thousand population. After a general downward trend in the years that followed, the natural increase again began rising in 1974 and the 1980 natural increase was 18,776. The natural increase rate increased 3.9 percent from 7.6 per thousand population in 1979 to 7.9 in 1980. Net migration, on the other hand, has been less predictable, with sudden large fluctuations in out-migration. Considerable out-migration occurred from 1955 to 1964. The net migration for 1980 was not available at the time of publication.

Table 3
Population, Natural Increase and Net Migration
Kansas, 1951-1980

Year	Population*	Population Increase or Decrease During Year	Natural Increase	Net Migration
1980. . . .	2,363,208	n.a.	18,776	n.a.
1979. . . .	2,362,075	1,133	17,854	-16,721
1978. . . .	2,359,262	2,813	15,015	-12,202
1977. . . .	2,341,261	18,001	15,556	2,445
1976. . . .	2,327,471	13,790	13,498	292
1975. . . .	2,314,479	12,992	11,981	1,011
1974. . . .	2,299,220	15,259	10,556	4,703
1973. . . .	2,301,623	- 2,403	9,247	-11,650
1972. . . .	2,277,905	23,718	10,841	12,877
1971. . . .	2,249,248	28,657	13,824	14,833
1970. . . .	2,249,071	177	16,364	-16,187
1969. . . .	2,287,302	-38,231	14,350	-52,581
1968. . . .	2,265,170	22,132	13,110	9,022
1967. . . .	2,236,750	28,420	13,196	15,224
1966. . . .	2,220,362	16,388	14,192	2,196
1965. . . .	2,197,815	22,547	17,516	5,031
1964. . . .	2,180,533	17,282	21,649	- 4,367
1963. . . .	2,172,296	8,237	23,804	-15,567
1962. . . .	2,165,009	7,287	27,001	-19,714
1961. . . .	2,146,154	18,855	28,940	-10,085
1960. . . .	2,130,579	15,575	29,621	-14,046
1959. . . .	2,115,441	15,138	31,891	-16,753
1958. . . .	2,100,665	14,776	31,401	-16,625
1957. . . .	2,081,654	19,011	32,706	-13,695
1956. . . .	2,077,711	3,943	33,408	-29,465
1955. . . .	2,050,478	27,233	33,878	-6,645
1954. . . .	1,999,457	51,021	34,319	16,702
1953. . . .	1,965,112	34,345	32,598	1,747
1952. . . .	1,980,073	-14,961	30,389	-45,350
1951. . . .	1,942,060	38,013	28,262	9,751

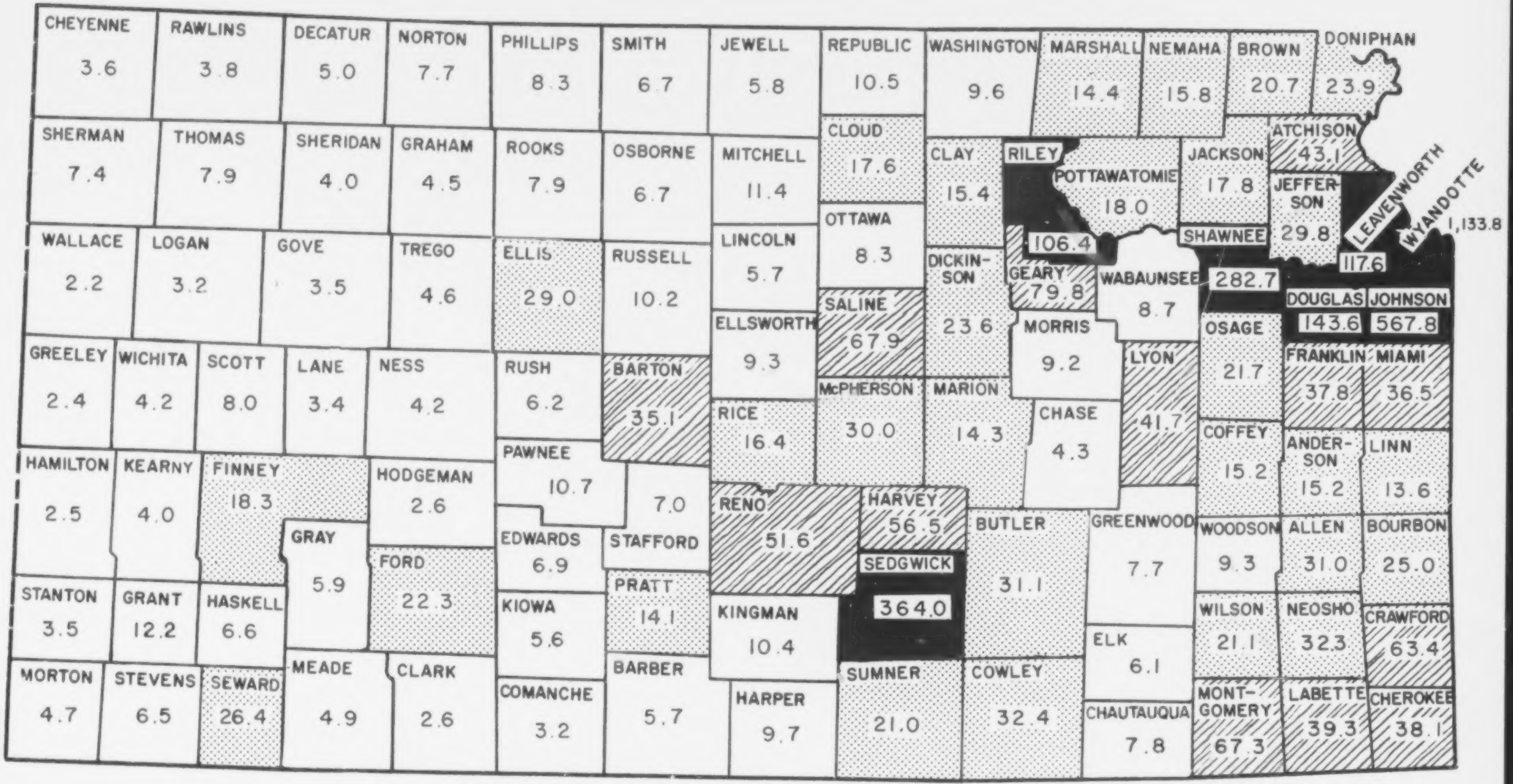
*Sources: Bureau of Registration and Health Statistics (1979)
U.S. Bureau of the Census (1970 and 1980)
Kansas Board of Agriculture/County Appraisers (all other years)

Population Density

The total land area of the State of Kansas is 81,795 square miles. The population density of the State, or the average number of inhabitants per square mile in 1980, was 28.9 as compared with 27.5 in 1970.

As illustrated in Figure 4, the population density varied considerably among counties. In 1980, 21 of Kansas' 105 counties had population densities of less than 5.0. These counties were predominantly in the Western portion of the State.

POPULATION DENSITY BY COUNTY
KANSAS, 1980


CHEYENNE 3.6
RAWLINS 3.8
DECATUR 5.0
NORTON 7.7
PHILLIPS 8.3
SMITH 6.7
JEWELL 5.8
REPUBLIC 10.5
WASHINGTON 9.6
MARSHALL 14.4
NEMAHA 15.8
BROWN 20.7
DONIPHAN 23.9
SHERMAN 7.4
THOMAS 7.9
SHERIDAN 4.0
GRAHAM 4.5
ROOKS 7.9
OSBORNE 6.7
MITCHELL 11.4
CLOUD 17.6
CLAY 15.4
RILEY 106.4
POTTAWATOMIE 18.0
JACKSON 17.8
ATCHISON 43.1
JEFFERSON 29.8
LEAVENWORTH 117.6
WYANDOTTE 1,133.8
WALLACE 2.2
LOGAN 3.2
GOVE 3.5
TREGO 4.6
ELLIS 29.0
RUSSELL 10.2
LINCOLN 5.7
OTTAWA 8.3
DICKINSON 23.6
GEARY 79.8
WABAUNSEE 8.7
SHAWNEE 282.7
DOUGLAS 143.6
JOHNSON 567.8
GREELEY 2.4
WICHITA 4.2
SCOTT 8.0
LANE 3.4
NESS 4.2
RUSH 6.2
BARTON 35.1
ELLSWORTH 9.3
SALINE 67.9
MORRIS 9.2
LYON 41.7
OSAGE 21.7
FRANKLIN 37.8
MIAMI 36.5
HAMILTON 2.5
KEARNY 4.0
FINNEY 18.3
HODGEMAN 2.6
PAWNEE 10.7
RICE 16.4
McPHERSON 30.0
MARION 14.3
CHASE 4.3
COFFEY 15.2
ANDERSON 15.2
LINN 13.6
GRAY 5.9
FORD 22.3
EDWARDS 6.9
STAFFORD 7.0
RENO 51.6
HARVEY 56.5
BUTLER 31.1
GREENWOOD 7.7
WOODSON 9.3
ALLEN 31.0
BOURBON 25.0
STANTON 3.5
GRANT 12.2
HASKELL 6.6
KIOWA 5.6
PRATT 14.1
KINGMAN 10.4
SEDGWICK 364.0
ELK 6.1
WILSON 21.1
NEOSHO 32.3
CRAWFORD 63.4
MORTON 4.7
STEVENS 6.5
SEWARD 26.4
MEADE 4.9
CLARK 2.6
COMANCHE 3.2
BARBER 5.7
HARPER 9.7
SUMNER 21.0
COWLEY 32.4
CHAUTAUQUA 7.8
MONTGOMERY 67.3
LABETTE 39.3
CHEROKEE 38.1

STATE POPULATION DENSITY: 28.9

Sources: Land area for each county obtained from the 1970 U.S. Census of Population. Population figures for 1980 were from the 1980 U.S. Census of Population.

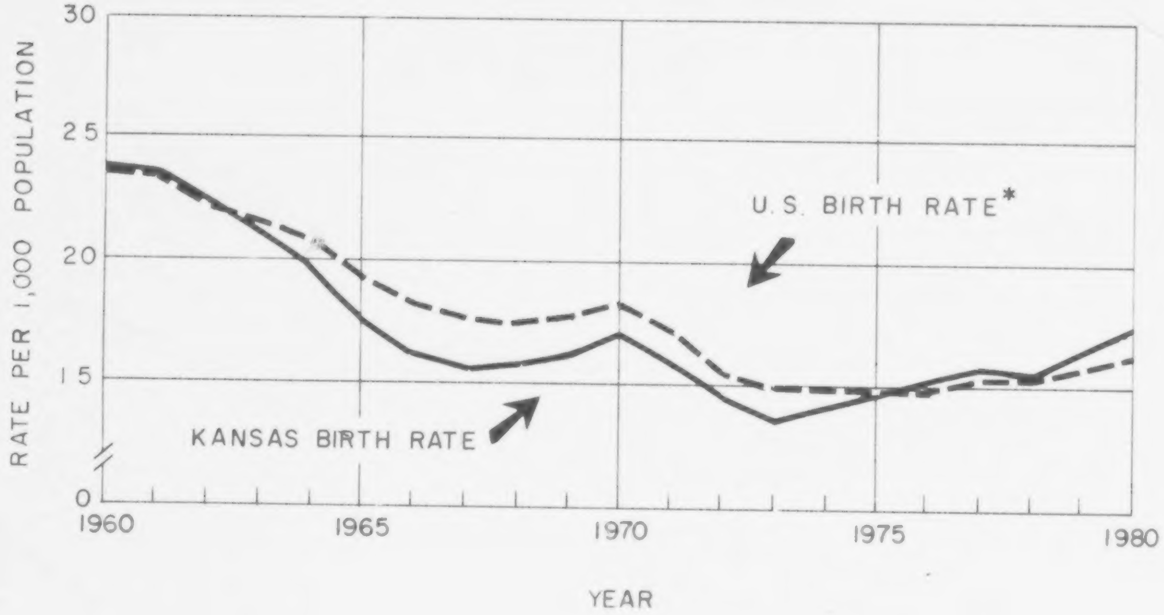
INHABITANTS PER SQUARE MILE

2.0 13.0 35.0 100.0 1,133.8

Figure 4

LIVE BIRTHS

BIRTH RATES
KANSAS AND THE UNITED STATES, 1960 - 1980



*1980 United States birth rate represents provisional data from the National Center for Health Statistics

Residence data

Figure 5

LIVE BIRTHS

During 1980, 40,686 live births were recorded for mothers with Kansas residency, representing a birth rate of 17.2 per 1,000 population. These figures reflect both a numerical increase of 4.5 percent above the 38,916 live births in 1979 and a rate increase of 4.2 percent above the 1979 rate of 16.5.

Trends

Kansas birth rates and fertility rates have followed a pattern similar to national birth and fertility rates during the past twenty years. Illustrated in Figures 5 and 6 are comparisons of Kansas birth rates and fertility rates with those of the United States.

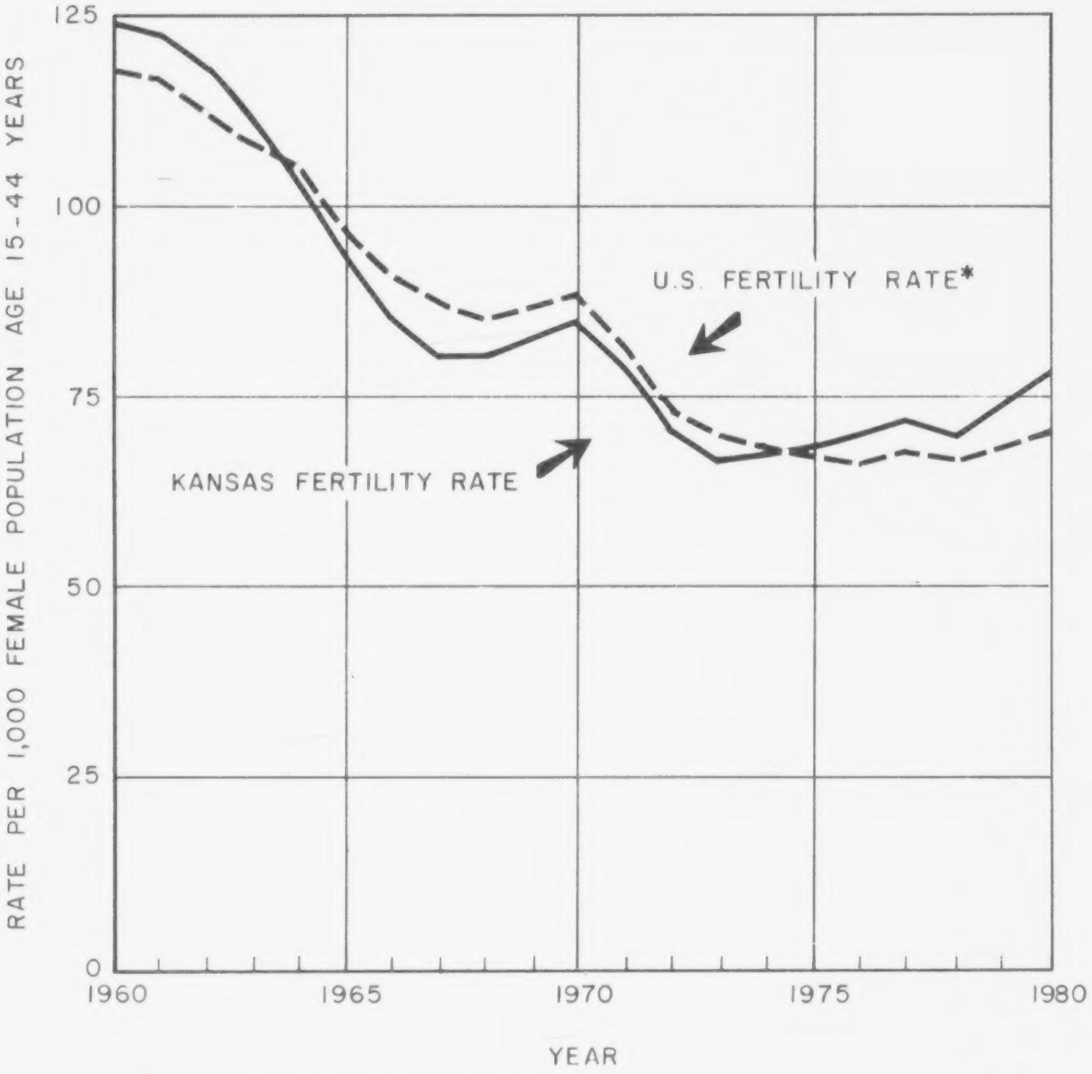
The Kansas birth rate was 23.8 in 1960, 0.4 percent above the national rate of 23.7. Following 1960, the Kansas birth rate dropped for seven consecutive years. After reaching a low of 15.6 in 1967, the Kansas birth rate turned upward slightly in the late 1960's and 1970. After another short-term decline of three years, the Kansas birth rate reached a new low of 13.9 in 1973. In 1978, Kansas experienced a decreased birth rate for the first time in five years, followed by an increase in 1979 and 1980. (The number of births and birth rates from 1976-1980 for each Kansas county are given in Appendix Table 24.)

The Kansas fertility rate was 124.8 in 1960, 5.8 percent above the national rate of 118.0. Following 1960, the fertility rate began to drop and did so for seven consecutive years. After a short-term increase in 1969 and 1970, the fertility rate declined for three years. Kansas, in 1978, experienced a decreased fertility rate for the first time in five years, followed by an increase in 1979 and 1980.

Sex of Infant, Race and Plurality

Since birth information was first recorded in Kansas in 1915, the percent distribution of live births has remained relatively constant for males and females. In 1915, the percentage breakdown for male and female live births was 51.6 percent and 48.4 percent, respectively. The percentage distribution in 1980 was identical.

FERTILITY RATES
KANSAS AND THE UNITED STATES, 1960-1980



*1979 and 1980 United States fertility rates represent provisional data from the National Center for Health Statistics.

Residence data.

Figure 6

Live Births: Distribution by Race of Mother by Sex of Infant

Race of Mother	Live Births	Sex of Infant Male	Female
Total	40,686	20,999	19,687
White	36,772	18,999	17,773
Black	3,129	1,616	1,513
Other Races	783	382	401
N.S.	2	2	-

White mothers gave birth to 90.4 percent of the liveborn infants in Kansas in 1980. Another 7.7 percent of the mothers were Black and other races represented 1.9 percent of the live births.

In 1980, a total of 711 live births, only 1.7 percent, represented multiple births, while a total of 39,975 single births were recorded. Of the 711 multiple births, 699 were from twin births and 12 were of triplet births.

Birth Order

First births accounted for 42.5 percent of all live births in 1980. Second-born infants represented 33.0 percent and third births, 15.5 percent. Thirty years ago, in 1950, 31.0 percent of the 43,911 live births were first births. Thirty-two (31.6) percent were second-born infants and 18.7 percent were third births. The number and percent of live births by order of birth is presented below for 1980:

Live Births: Number and Percent by Birth Order

Birth Order	Number	Percent
Total	40,686	100.0
First	17,318	42.5
Second	13,411	33.0
Third	6,332	15.5
Fourth	2,189	5.4
Fifth	795	2.0
Sixth	323	0.8
Seventh	166	0.4
Eighth	67	0.2
Ninth	43	0.1
Tenth and Over	42	0.1

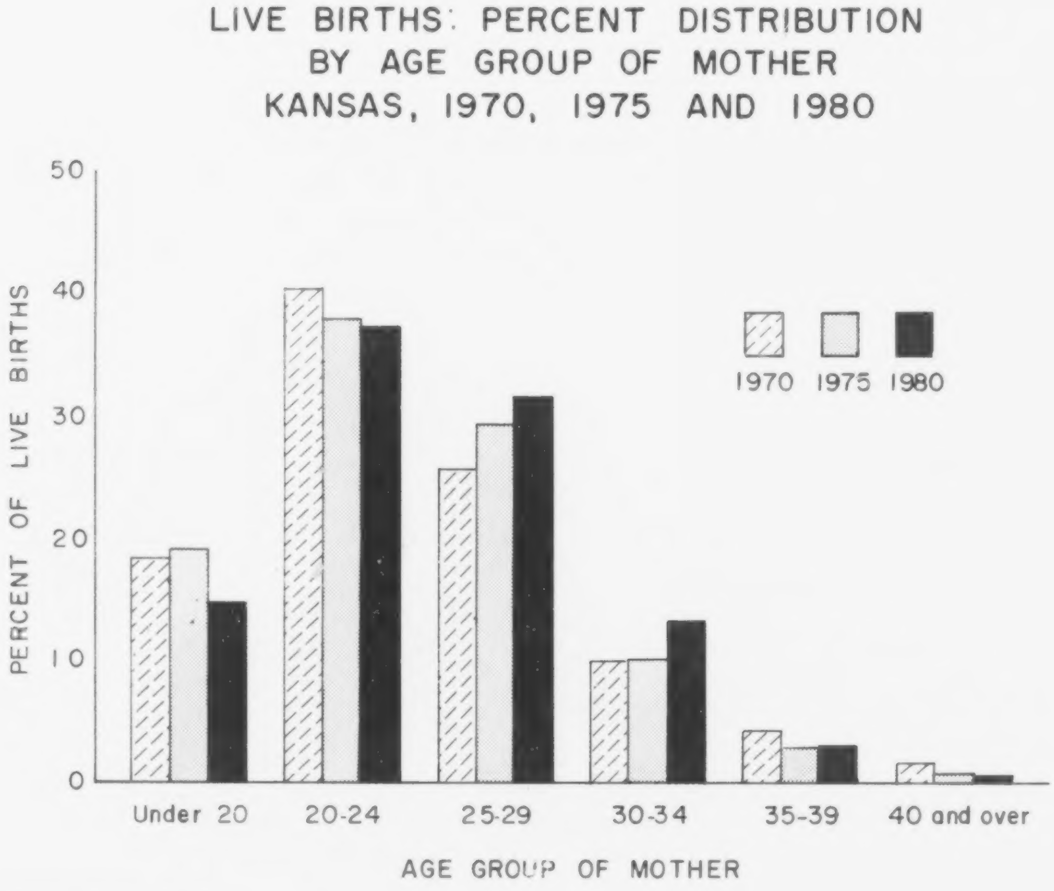
Institution of Birth and Attendant

The number of deliveries which are performed in hospitals has increased dramatically through the years. For example, in 1940, 51.8 percent of all live births occurred in a hospital. Forty years later, in 1980, only 185 of the 40,686 live births occurred outside of the hospital setting, a mere 0.5 percent.

Another factor which may affect both maternal and infant health is whether or not the attendant is present at the time of birth. Unlike the institution of birth this factor has remained consistent for forty years. In 1940, 99.9 percent of the births were physicians' deliveries. By 1980, the situation was virtually unchanged--99.3 percent of the births were attended by a physician.

Parental Age

The average maternal age in 1980 was 24.7 years, while the average paternal age was 27.4 years. Figure 7 shows the changing pattern in the distribution of births by maternal age for 1970, 1975 and 1980.



LIVE BIRTHS: PERCENT DISTRIBUTION BY AGE GROUP OF MOTHER KANSAS, 1970, 1975 AND 1980

Residence data.

Figure 7

The ages from 20 to 24 were the most popular child-bearing ages in 1970, 1975 and 1980. During this same time frame, however, there was a gradual downward trend in the proportion of child-bearing women in the 20 to 24 and 40 and over age groups. There was a gradual increase in the proportion of child-bearing women between 25 and 34. (Live births by county of maternal residence and age group are shown in Appendix Table 25.)

Birth Weight and Premature Births

Birth weights are classified as low, normal or heavy according to the gram limits outlined in Table 4. Ninety-two (92.3) percent of the live births in 1980 were of normal weight, between 2,501 and 4,500 grams. Babies weighing over 4,500 grams constituted only 1.9 percent of the live births.

Low birth weight babies of 2,500 grams or less is the weight category generally considered the most critical in regard to infant survival chances. This weight category comprises those deliveries herein referred to as premature births. The 2,363 premature births in 1980 accounted for 5.8 percent of all live births. The number of premature births for mothers in each age group, percent distribution and age-specific premature birth ratios (premature births as a percent of all live births within an age group) are shown in Table 4.

The age of the mother is an important factor influencing the birth weight of the baby. In 1980, mothers 20 to 24 years of age accounted for the largest percentage (38.6) of the premature births; followed by 27.7 percent accounted for by mothers 25-29 years of age. A somewhat more reliable indicator of the tendency for child-bearing women in a particular age group to have premature births is the age-specific premature birth ratio. The largest age-specific premature birth ratio, in 1980, was 7.7 percent of the births for mothers 15-19 years of age followed by 6.0 percent of the births for mothers 20-24 years of age.

Out-of-Wedlock Births

In 1980, the number of out-of-wedlock births to Kansas residents reached a record high of 4,979, reflecting an 8.4 percent increase over the 1979 total of 4,593. These out-of-wedlock births represented 12.2 percent of all live births in 1980.

Although the out-of-wedlock birth ratio in Kansas was below the national ratio from 1960 to 1978 (Figure 8), the increasing trend in the out-of-wedlock birth ratio in Kansas was similar to the upward trend throughout the United States during this period.

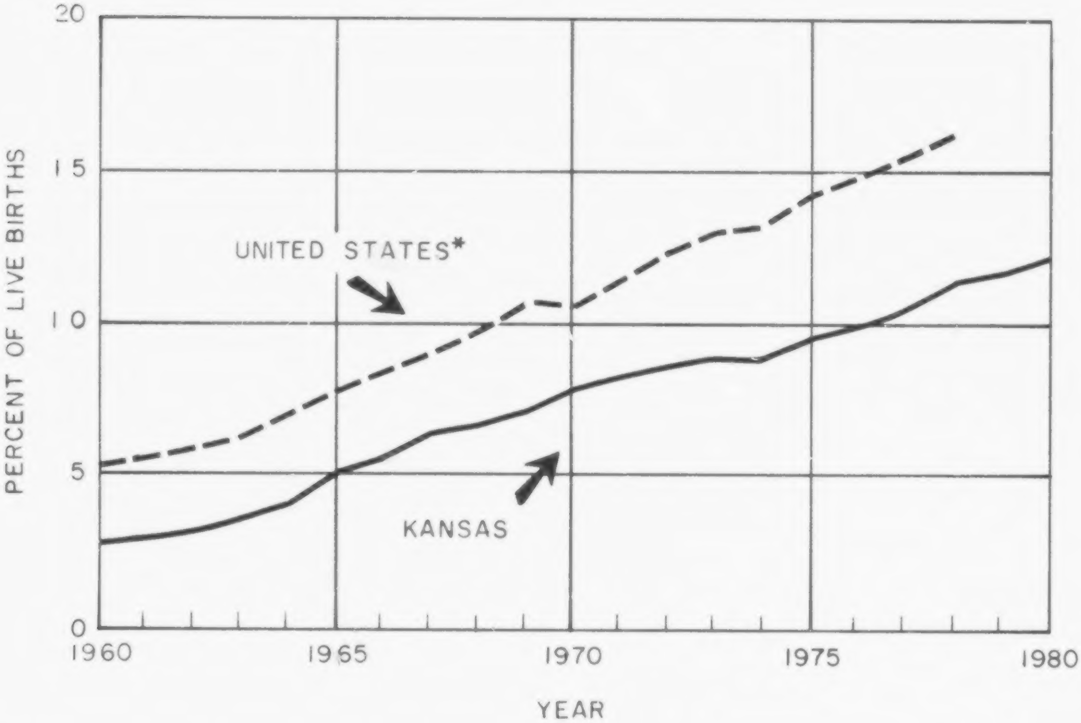
The number of out-of-wedlock births to mothers in each age group in 1980, percent distribution and age-specific out-of-wedlock birth ratios, or the out-of-wedlock births as a percent of all live births within an age group, are shown in Table 4. (Out-of-wedlock births by maternal county of residence by maternal age group are given in Appendix Table 26.)

Table 4
Live Births by Age Group of Mother, by Selected Characteristics
Kansas, 1980

Age Group of Mother	Total	Selected Characteristics of Live Births									
		Birth Weight (Grams)				Premature Births			Out-of-Wedlock Births		
		Under 2,501 (Low)	2,501 - 4,500 (Normal)	Over 4,500 (Heavy)	Not Stated	Number	Percent	Age-Specific Ratio	Number	Percent	Age-Specific Ratio
All Ages.......	40,686	2,363	37,537	779	7	2,363	100.0	...	4,979	100.0	...
10-14..........	59	9	50	-	-	9	0.4	*	55	1.1	*
15-19..........	6,025	461	5,505	58	1	461	19.5	7.7	2,234	44.9	37.1
20-24..........	15,089	911	13,938	236	4	911	38.6	6.0	1,854	37.2	12.3
25-29..........	12,761	655	11,826	280	-	655	27.7	5.1	547	11.0	4.3
30-34..........	5,375	253	4,959	161	2	253	10.7	4.7	213	4.3	4.0
35-39..........	1,164	67	1,061	36	-	67	2.8	5.8	61	1.2	5.2
40-44..........	198	6	186	6	-	6	0.3	3.0	15	0.3	7.6
45 & Over......	14	1	11	2	-	1	0.0	*	-	-	-
Not Stated.....	1	-	1	-	-	-	-	-	-	-	-

Residence data.

OUT-OF-WEDLOCK BIRTH RATIOS
KANSAS AND THE UNITED STATES, 1960-1980



*1979 and 1980 data from the National Center for Health Statistics not available at the time of [illegible]ication.
Residence data.

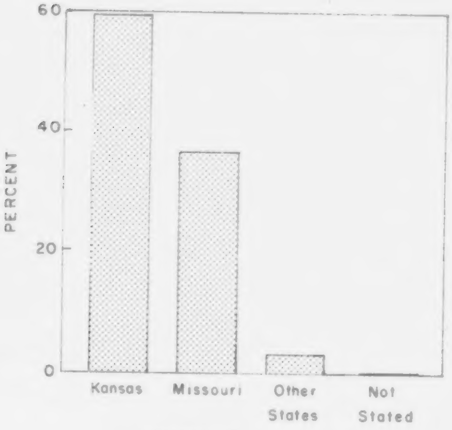
Figure 8

Of the total number of live births to mothers under 20, 37.6 percent were out-of-wedlock. Further, nearly half of the out-of-wedlock births (46.0 percent) were to mothers under 20.

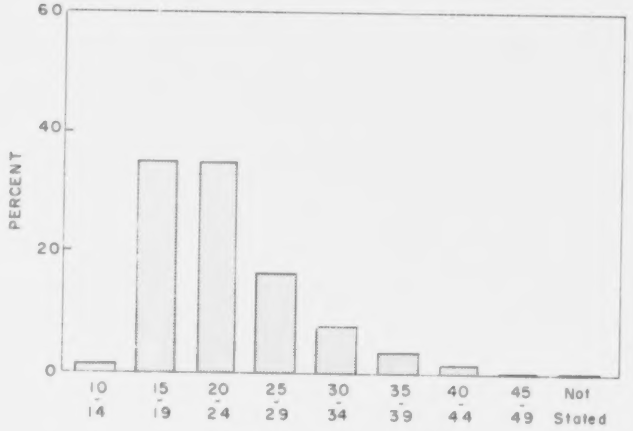
Age-specific out-of-wedlock birth ratios reveal that 37.1 percent of the births to mothers 15 to 19 years of age were out-of-wedlock in 1980. The ratio dropped to 12.3 percent with the next age group, 20-24 years.

BIRTH-RELATED MORTALITY

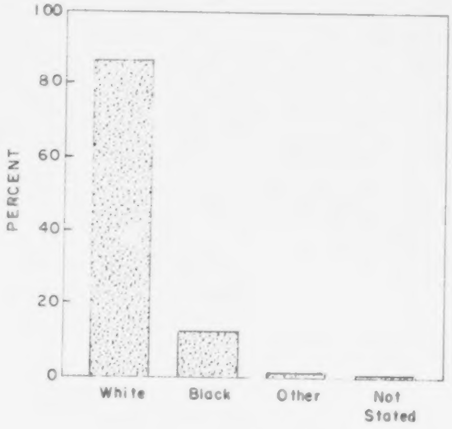
INDUCED ABORTIONS REPORTED IN KANSAS BY SELECTED CHARACTERISTICS 1980



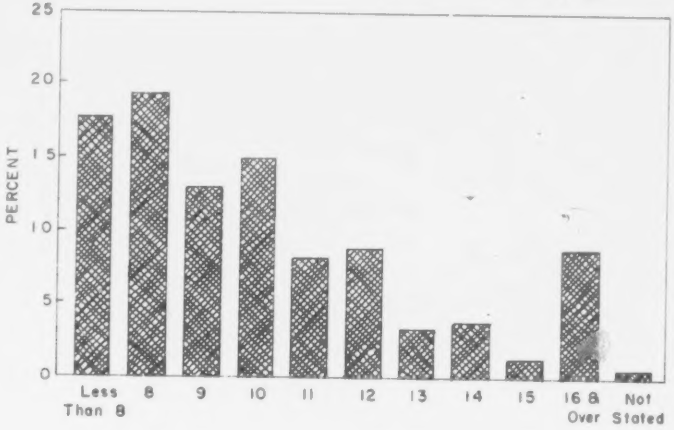
RESIDENCE OF PATIENT



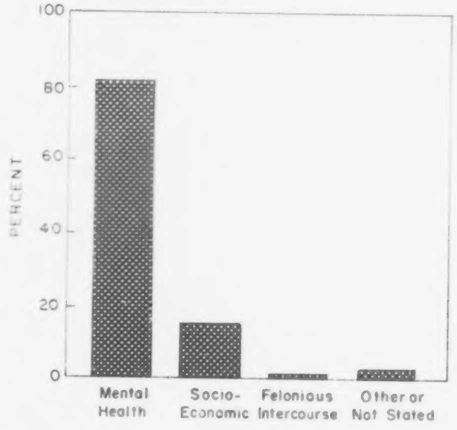
AGE GROUP OF PATIENT



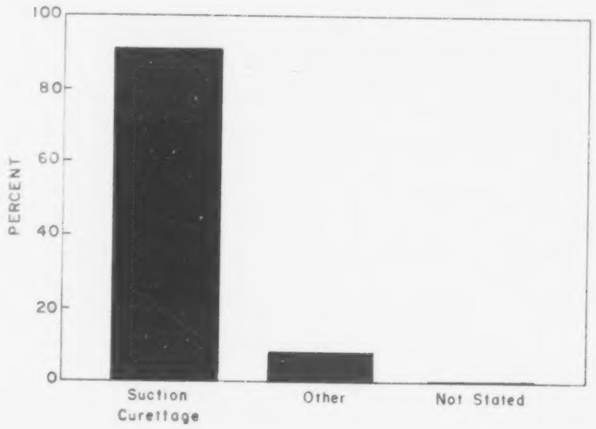
RACE OF PATIENT



WEEKS GESTATION



PRIMARY INDICATION FOR ABORTION



METHOD OF ABORTION

Occurrence data

Figure 9

BIRTH-RELATED MORTALITY

This section examines mortality as it relates to pregnancy, childbirth, and infancy. For discussion purposes it is divided into five subdivisions: (1) induced abortions; (2) fetal deaths (stillbirths); (3) Perinatal Period III mortality; (4) infant deaths; and (5) maternal deaths.

INDUCED ABORTIONS

The Kansas liberalized abortion law was enacted in July, 1970, and from that time through 1980, 119,498 abortions were reported in Kansas. There were 13,381 abortions reported in Kansas in 1980.

The number of abortions reported in Kansas from 1971 to 1980 are shown below. The decline in the number of abortions reported in Kansas after 1973 is attributable to the reduction in the number of out-of-state residents having abortions performed in Kansas since the 1973 United States Supreme Court ruling which legalized abortion in all states. In 1980, the number of abortions reported in Kansas was 13,381, representing a 3.7 percent decrease from the 1979 total of 13,901.

Number of Abortions Reported in Kansas by Year

Year	Number
1980.......	13,381
1979.......	13,901
1978.......	10,904
1977.......	10,898
1976.......	11,597
1975.......	10,860
1974.......	10,871
1973.......	12,612
1972.......	12,248
1971.......	9,472

Summary statistics are available only for those 11,791 abortions reported by hospitals and clinics participating in our abortion reporting system during 1980. Selected characteristics of these 11,791 abortions are illustrated in Figure 9.

Residency: In 1980, 7,038 abortions or 59.7 percent of the 11,791 reported in the State, were performed for Kansas residents. Of the 4,750 nonresidents who had abortions in Kansas, 90.8 percent (4,315) were Missouri residents. Residents from other states included those from Illinois (144), Oklahoma (97), Nebraska (96), Iowa (31) and Arkansas (14). Fifty-three patients represented other states and residence was not stated in three cases. (Induced abortions by county of residence and age group of patient in 1980 are given in Appendix Table 27.)

Age of Patient: Most reported abortions were performed in the 15-19 and 20-24 age groups as shown in Figure 9. Enumerated below are residence data for the number of abortions by age group of patient, percent distribution and age-specific abortion ratios (number of abortions reported per thousand live births for a given age group.)

Abortions: Distribution by Age Group of Patient and Age-Specific Ratio

Age Group	Number	Percent	Ratio**
Total	7,038	100.0	n/a
10-14.	61	0.8	*
15-19.	2,485	35.3	412.4
20-24.	2,469	35.1	163.6
25-29.	1,139	16.2	89.3
30-34.	541	7.7	100.7
35-39.	245	3.5	210.5
40-44.	85	1.2	429.3
45-49.	7	0.1	*
N.S.	6	0.1	...

**Age-specific abortion ratios are expressed as the number of abortions per 1,000 live births for a given age group.

Race: Most of the abortion patients, 86.4 percent, in 1980 were White. Black patients represented 12.1 percent, other races constituted 1.1 percent and 0.4 percent did not report their race.

Marital Status of Patient: Of the 11,791 abortion patients in Kansas, 9,197 or 78.0 percent, were not married, 2,536, or 21.5 percent were married and 58 or 0.5 percent did not report their marital status.

Primary Indication for Abortion: In most cases, 81.7 percent, mental health was indicated as the patient's primary reason for seeking an abortion. Socio-economic was indicated in 1,718 cases, 14.6 percent, and felonious intercourse in 98 cases, 0.8 percent. Other reasons, such as physical health, fetal defect, rape and incest were indicated in 86 cases or 0.7 percent and 259 or 2.2 percent fall into the category of other or not stated.

Method of Abortion: Ninety-one (91.5) percent (10,789) of the abortions were performed by suction curettage. Intra-uterine prostaglandin instillation was utilized in 146 cases and intra-uterine saline instillation in 21 cases.

Weeks Gestation: Most abortions were performed within the first three months of pregnancy, or prior to the fourteenth week of gestation. Eighty-five (85.3) percent were performed within thirteen weeks after conception.

FETAL DEATHS (Stillbirths)

There were 340 fetal deaths recorded for Kansas residents in 1980, representing a 3.0 percent increase from the 1979 total of 330. The fetal death rate in 1980 was 8.3, per 1,000 total births, a decrease of 1.2 percent from the 1979 rate of 8.4. The fetal death rate has declined by 27.2 percent from the decade high of 11.4 in 1974. (Table 28 in the Appendix shows the number of fetal deaths by county of residence in 1980.)

Cause of Death: In 1980, 14.4 percent of the fetal deaths were attributable to compression of umbilical cord (49). Other common causes of fetal deaths were: placental separation and hemorrhage (39), abnormalities of the placenta (35), asphyxia or anoxia (21), and premature rupture membranes (13), (Intentionally aborted fetuses which weigh more than 350 grams are not included as fetal deaths in this report.)

Weight: Fetuses weighing between 351 and 2,000 grams (12.4 oz. to 4 lb. 6 oz.) constituted 56.8 percent of the fetal deaths in 1980. Sixty-three (63.5) percent of all fetal deaths weighed 2,500 grams or less (5 lb. 8 oz.).

Race: While 90.4 percent of the mothers of infants born in 1980 were White, 87.1 percent of the fetal deaths involved women of this race, indicating a somewhat greater fetal death rate for non-White races.

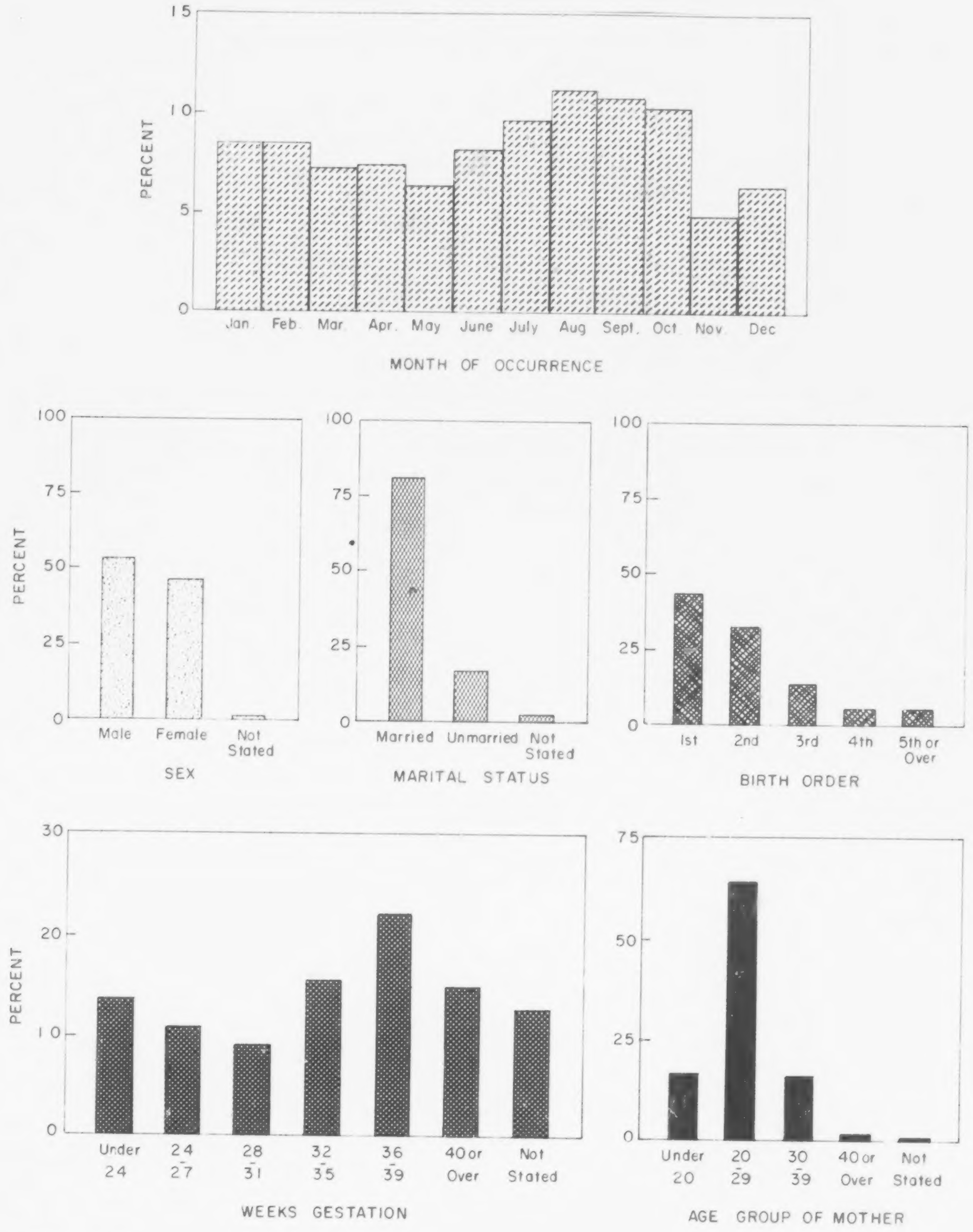
Maternal Age: The average age of mothers having fetal deaths in 1980 was 24.9 years, only slightly higher than the average maternal age of 24.7 years for live births. The number of fetal deaths by maternal age group, percent distribution and age-specific fetal death ratios (the number of fetal deaths per thousand live births for a given age group) are shown below.

Fetal Deaths: Distribution by Age Group of Mother and Age-Specific Ratios

Age Group	Number	Percent	Ratio**
Total	340	100.0	...
10-14	2	0.6	*
15-19	55	16.2	9.1
20-24	119	35.0	7.9
25-29	100	29.4	7.8
30-34	40	11.8	7.4
35-39	16	4.7	13.7
40-44	6	1.7	30.3
45-49	-	-	-
N.S.	2	0.6	...

**Age-specific fetal death ratios are expressed as the number of fetal deaths per 1,000 live births for a given age group.

FETAL DEATHS BY SELECTED CHARACTERISTICS KANSAS, 1980



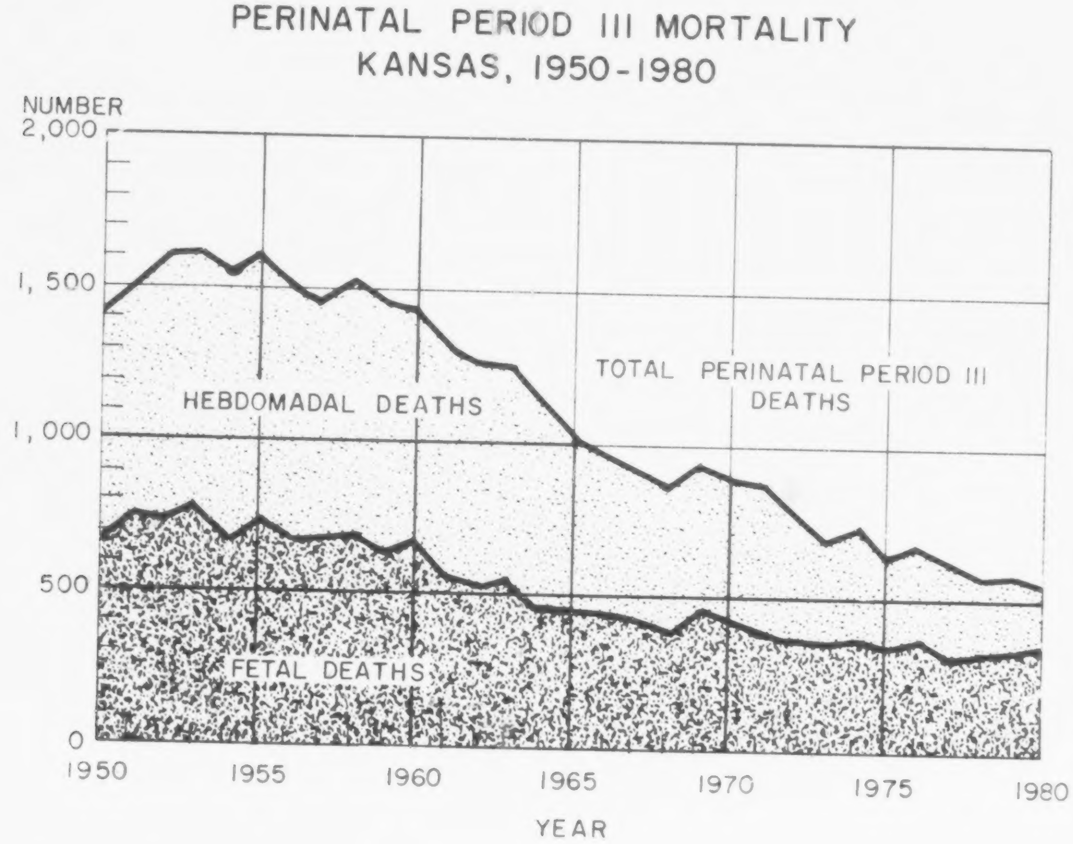
Residence data

Figure 10

Other Characteristics: Selected characteristics of fetal deaths in 1980 are outlined in Figure 10. Viewing the month of occurrence, 11.2 percent of the fetal deaths occurred in August and 5.0 percent in November. No particular seasonal or monthly patterns were evident in the remaining months. As a comparison, 51.6 percent of the live births in 1980 were males while 52.9 percent of the fetal deaths for the year were male fetuses. Sixteen (16.8) percent of all fetal deaths were from out-of-wedlock pregnancies. The largest percentage of fetal deaths (43.5 percent) occurred with first pregnancies, with the incidence declining with higher birth order. Thirty-seven (37.4) percent of the fetal deaths occurred after 35 weeks of gestation.

PERINATAL PERIOD III MORTALITY

Perinatal Period III mortality refers to the aggregated total of fetal deaths and hebdomadal deaths (deaths which occur prior to the 7th day of life).



Residence data.

Figure 11

Since 1955 there has been a general downward trend in the number of Perinatal Period III deaths. The number of deaths decreased from 1,604 in 1955 to 566 in 1980. A graphic representation of Perinatal Period III mortality which occurred between 1950 and 1980 is presented in Figure 11.

Table 5
Perinatal Period III Mortality
Kansas, Selected Years, 1950-1980

Year	Fetal Deaths*	Hebdomadal Deaths	Perinatal Period III Deaths	
			Number	Rate
1980....	340	226	566	13.8
1979....	330	260	590	15.0
1978....	331	254	585	15.8
1977....	308	335	643	17.3
1976....	364	310	674	18.9
1975....	341	304	645	18.9
1974....	379	354	733	22.2
1973....	355	342	697	21.6
1972....	375	410	785	23.4
1971....	380	506	886	24.3
1970....	423	477	900	23.3
1969....	456	480	936	24.9
1968....	393	494	887	24.7
1967....	430	482	912	25.8
1966....	455	522	977	26.7
1962....	538	737	1,275	25.9
1958....	696	824	1,520	29.0
1954....	666	889	1,555	28.7
1950....	672	753	1,425	32.0

*Criteria for reporting fetal deaths changed from twenty weeks gestation to a fetal weight of more than 350 grams in 1963.

Residence data.

Examining the components which constitute Perinatal Period III mortality in Table 5, both the numbers of fetal deaths and hebdomadal deaths declined during the 1950 to 1980 period. Fetal deaths accounted for 49.4 percent fewer deaths in 1980 than they did in 1950, and hebdomadal deaths decreased by 70.0 percent. (Perinatal Period III deaths by county of residence are given in Appendix Table 28.)

INFANT DEATHS

An infant death is defined as a death of a liveborn infant who is under one year of age. Below are the major components, or stages of infancy, which constitute the first year of life, and deaths which occur during that time are hereafter classified in a like manner.

Hebdomadal deaths - occur prior to the seventh day of life.

Post-hebdomadal deaths - occur from 7 through 27 days after birth.

Neonatal deaths - occur prior to the twenty-eighth day of life.

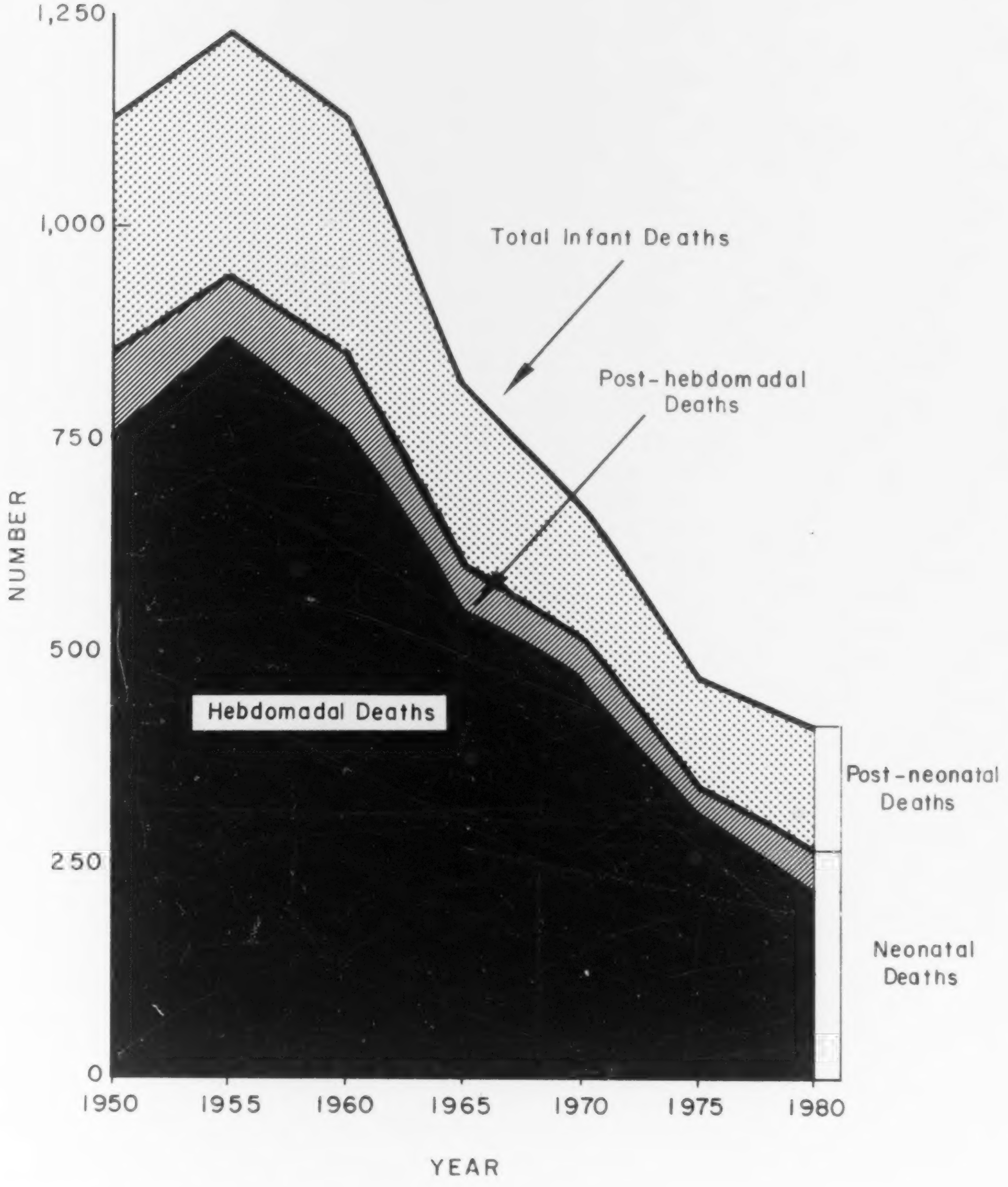
Post-neonatal deaths - occur after 27 days but prior to one year after birth.

These stages overlap in that neonatal deaths represent the total of the two categories --hebdomadal and post-hebdomadal deaths. Infant deaths are the sum of neonatal deaths and post-neonatal deaths.

Kansas infant deaths reached a record low of 412 in 1980. The number of infant deaths, as graphically presented in Figure 12, declined 63.5 percent from 1950 to 1980. Expressed as a rate per thousand live births, infant deaths dropped from 25.7 in 1950 to 10.1 in 1980. By comparison the estimated infant mortality rate for the United States was 12.5 in 1980. The component stages of infant deaths, neonatal deaths (including the hebdomadal and post-hebdomadal periods) and post-neonatal deaths, declined in Kansas in a somewhat parallel manner during the 1950-1980 time period, with the margin between the two narrowing slightly in later years. Neonatal deaths totaled 852 in 1950 compared to 269 in 1980, a 68.4 percent decline. Post-neonatal deaths concurrently dropped by 48.4 percent, from 277 in 1950 to 143 in 1980. (Table 29 in the Appendix shows the number of infant deaths by components and county of residence in 1980.)

Cause of Death: "Congenital anomalies" was the most common cause of infant death and accounted for 102 or 24.8 percent of all infant deaths. "Respiratory distress syndrome and other respiratory conditions" represented 72 or 17.5 percent of all infant deaths and was the second leading cause. All causes of infant death by age group are listed in Table 6.

INFANT DEATHS BY COMPONENT KANSAS, SELECTED YEARS, 1950 - 1980



Residence data.

Figure 12

Table 6
Infant Deaths by Cause and Age Group of Infant
Kansas, 1980

Cause of Death (ICD Code)	Age Group of Infant						
	Under 1 Day	1-6 Days	Under 7 Days**	7-27 Days	Under 28 Days***	28-364 Days	Under 1 Year
All Causes (000-E999)......................	154	72	226	43	269	143	412
Infections and Parasitic Diseases (001-139)........................	-	-	-	-	-	6	6
Other Diseases and Disorders (140-739)........................	2	1	3	5	8	45	53
Congenital Anomalies (740-759)........................	28	25	54	16	70	32	102
Certain Conditions Originating in the Perinatal Period (760-779)........................	124	45	169	19	188	9	197
•Maternal Conditions of Pregnancy and Childbirth (760-761, 763-764)............	17	3	20	-	20	-	20
•Complications of Placenta, Cord and Membranes (762).........................	7	-	7	-	7	-	7
•Immaturity (765).........................	35	4	39	-	39	-	39
•Birth Trauma (767).........................	1	7	8	1	9	4	13
•Hypoxia and Birth Asphyxia (768).........................	8	4	12	1	13	-	13
•Respiratory Distress Syndrome and Other Respiratory Conditions (769-770).....................	40	17	57	12	69	3	72
•Infections Specific to Perinatal Period (771).........................	2	1	3	3	6	-	6
•Fetal and Neonatal Hemmorrhage (772).........................	1	1	2	1	3	1	4
•Other (773-779).....................	13	8	21	1	22	1	23
Symptoms and Ill-defined Conditions (780-799)........................	-	-	-	3	3	33	36
•Sudden Infant Death Syndrome (798).........................	-	-	-	3	3	30	33
•Other (780-797, 799)................	-	-	-	-	-	3	3
External Causes of Injury and Poisoning (E800-E999)......................	-	-	-	-	-	18	18

**Hebdomadal Deaths
***Neonatal Deaths

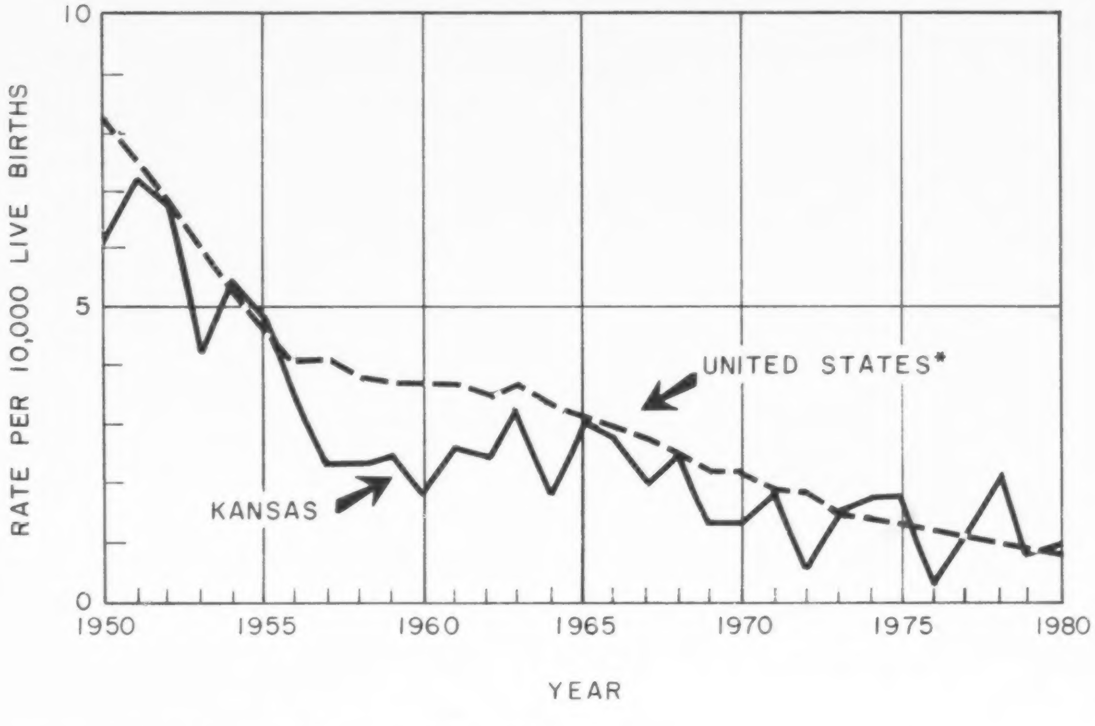
Residence data.

MATERNAL DEATHS

Maternal deaths are those attributable to complications of pregnancy, childbirth or the puerperium, based on the certified cause of death listed on the death certificate.

During 1980, 4 maternal deaths occurred to Kansas residents. Maternal mortality rates, expressed as the number of maternal deaths per ten thousand live births, for Kansas and the nation declined considerably between 1950 and 1980 as illustrated in Figure 13. While the U.S. rate showed a steady decline, the descent of Kansas' rate was somewhat more erratic. Overall, the rate of maternal deaths in Kansas was generally below that of the United States during that period. The maternal death rate for Kansas in 1980 was 1.0, a 83.6 percent decrease from the 1950 maternal death rate of 6.1.

MATERNAL MORTALITY RATES
KANSAS AND THE UNITED STATES, 1950 - 1980



*1979 and 1980 maternal mortality rates represent provisional data from the National Center for Health Statistics.

Residence data.

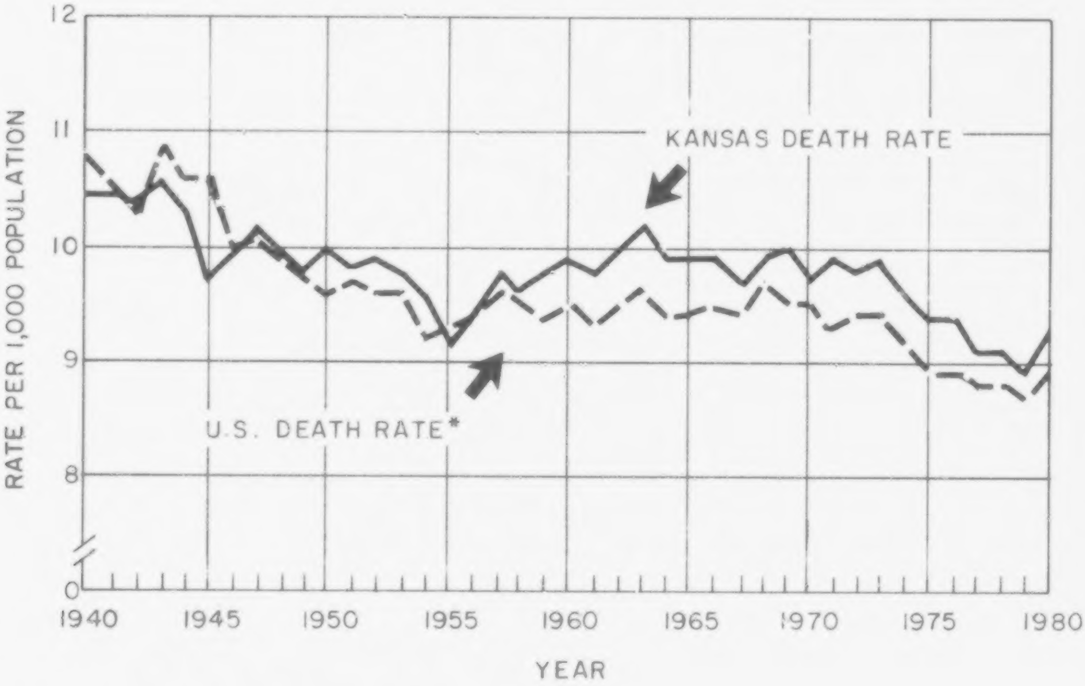
Figure 13

GENERAL MORTALITY

DEATHS

A total of 21,910 resident deaths were recorded during 1980, representing a 4.0 percent increase from the 21,062 deaths recorded in 1979. The death rate for Kansas in 1980 was 9.3 per thousand population. As illustrated in Figure 14, the Kansas death rate has remained relatively stable between the years 1940 and 1980, not rising above 10.6 (1943) nor falling below 8.9 (1979).

DEATH RATES
KANSAS AND THE UNITED STATES, 1940 - 1980



*1980 United States death rate represents provisional data from the National Center for Health Statistics.
Residence data.

Figure 14

The Kansas death rate in 1980 was 4.5 percent higher than the estimated national death rate of 8.9. During the 1960-1980 period the Kansas rate was, on the average, 4.5 percent higher than the national rate. It should be noted however, that the age distribution of the population has a significant bearing on the level of the crude death rate, and the percentage of the population 65 years and older is higher in Kansas than for the nation as a whole. On this basis, plus the observed higher than average life expectancy of Kansas residents, it may be assumed that the death rate in Kansas compares favorably with the national rate.

DEATH RATES BY COUNTY OF RESIDENCE
KANSAS, 1980

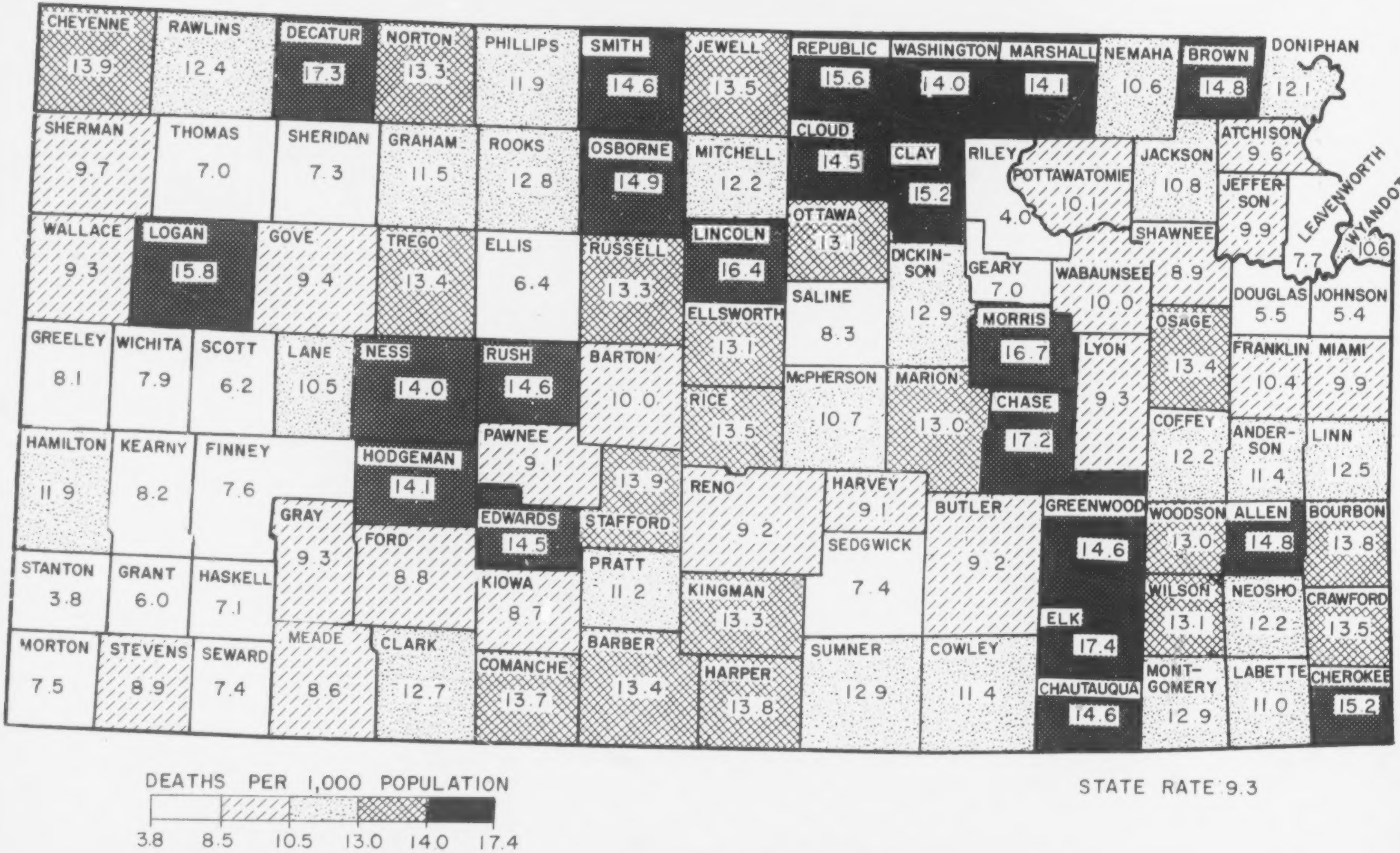

CHEYENNE 13.9
RAWLINS 12.4
DECATUR 17.3
NORTON 13.3
PHILLIPS 11.9
SMITH 14.6
JEWELL 13.5
REPUBLIC 15.6
WASHINGTON 14.0
MARSHALL 14.1
NEMAHA 10.6
BROWN 14.8
DONIPHAN 12.1
SHERMAN 9.7
THOMAS 7.0
SHERIDAN 7.3
GRAHAM 11.5
ROOKS 12.8
OSBORNE 14.9
MITCHELL 12.2
CLOUD 14.5
CLAY 15.2
RILEY 4.0
POTTAWATOMIE 10.1
JACKSON 10.8
ATCHISON 9.6
JEFFERSON 9.9
LEAVENWORTH 7.7
WYANDOTTE 10.6
WALLACE 9.3
LOGAN 15.8
GOVE 9.4
TREGO 13.4
ELLIS 6.4
RUSSELL 13.3
LINCOLN 16.4
OTTAWA 13.1
DICKINSON 12.9
GEARY 7.0
WABAUNSEE 10.0
SHAWNEE 8.9
DOUGLAS 5.5
JOHNSON 5.4
ELLSWORTH 13.1
SALINE 8.3
MORRIS 16.7
GREELEY 8.1
WICHITA 7.9
SCOTT 6.2
LANE 10.5
NESS 14.0
RUSH 14.6
BARTON 10.0
McPHERSON 10.7
MARION 13.0
LYON 9.3
OSAGE 13.4
FRANKLIN 10.4
MIAMI 9.9
RICE 13.5
CHASE 17.2
COFFEY 12.2
ANDERSON 11.4
LINN 12.5
HAMILTON 11.9
KEARNY 8.2
FINNEY 7.6
HODGEMAN 14.1
PAWNEE 9.1
13.9
RENO 9.2
HARVEY 9.1
GRAY 9.3
EDWARDS 14.5
STAFFORD
BUTLER 9.2
GREENWOOD 14.6
WOODSON 13.0
ALLEN 14.8
BOURBON 13.8
FORD 8.8
SEDGWICK 7.4
STANTON 3.8
GRANT 6.0
HASKELL 7.1
KIOWA 8.7
PRATT 11.2
KINGMAN 13.3
WILSON 13.1
NEOSHO 12.2
CRAWFORD 13.5
ELK 17.4
MORTON 7.5
STEVENS 8.9
SEWARD 7.4
MEADE 8.6
CLARK 12.7
COMANCHE 13.7
BARBER 13.4
HARPER 13.8
SUMNER 12.9
COWLEY 11.4
CHAUTAUQUA 14.6
MONTGOMERY 12.9
LABETTE 11.0
CHEROKEE 15.2
DEATHS PER 1,000 POPULATION
3.8
8.5
10.5
13.0
14.0
17.4
STATE RATE 9.3

Figure 15

Death rates by county of residence for 1980 are shown in Figure 15. Stanton County had a low rate of 3.8 per 1,000 population, while Elk County had a high of 17.4. The difference in age distribution of the county population, as well as chance fluctuations when relatively small numbers are involved, should be taken into account when making county level crude death rate comparisons. (The number of deaths and respective rates for 1976-1980 on a county of residence basis are given in Appendix Table 30.)

Age, Race and Sex of Decedent

The average age at death of Kansas residents in 1980 was 70.7 years. As illustrated in Figure 16, 28 counties had an average age at death of 75 years or more. (The number of deaths by age group and average age at death by county of residence are given in Appendix Table 31.)

Ninety-four (94.4) percent of the Kansas decedents in 1980 were White, 5.2 percent were Black and less than one percent were of other races. The average age at death for the White population was 71.3, approximately ten years older than that of the Black population, whose average age at death was 61.7. Excepting the 85 and over age group, male deaths exceeded female deaths by a considerable margin. The distribution of 1980 Kansas resident deaths by age group, race, sex and average age at death is presented in Table 7.

Leading Causes of Death

The Bureau of Registration and Health Statistics has been utilizing the Automated Classification of Medical Entities (ACME) System on death certificates since January of 1980. This software system, developed by the National Center for Health Statistics (NCHS), determines the underlying (or principal) cause of death using multiple cause of death coding in accordance with the Ninth Revision of the International Statistical Classification of Diseases, Injuries, and Causes of Death published by NCHS. Thus, the coder no longer selects the underlying cause but assigns a code to all causes of death listed on the death certificate and then the underlying cause is determined through a computerized set of decision rules.

This discussion is not exhaustive of all causes of death of Kansas residents, rather it highlights the major causes in terms of magnitude of numbers of deaths from particular causes. Given in Table 8 are selected causes of death by age group of Kansas residents that died in 1980. (The number of deaths in Kansas from the twenty leading causes of death by county of residence are given in Appendix Table 32.)

The two leading causes of death in Kansas, heart disease and malignant neoplasms, had average ages at death of 76.4 and 69.0, respectively. Atherosclerosis, with an average age at death of 85.9 years, had the highest average age at death of any of the leading causes of death.

Examining the ten leading causes of death for Kansas residents in 1980, Table 9 shows not only the number of deaths attributable to each cause but also the disease-specific death rates and average age at death for males and females. (Appendix Table 33 enumerates disease-specific death rates of the ten leading causes of death by county of residence.) Table 10 provides comparisons of deaths for Kansas and the United States for selected leading causes by number and rate for 1980.

AVERAGE AGE AT DEATH
BY COUNTY OF RESIDENCE, KANSAS, 1980

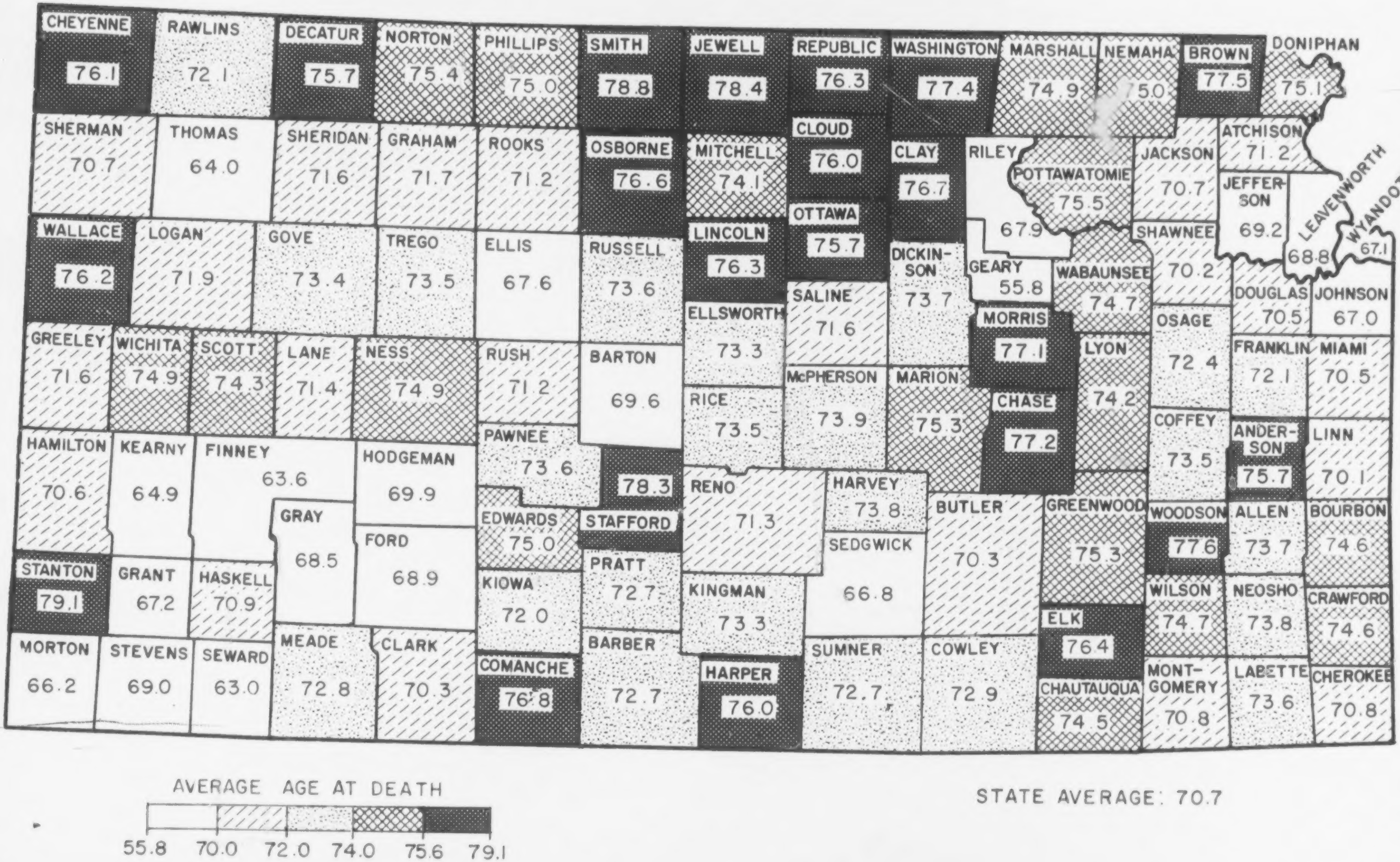

CHEYENNE 76.1
RAWLINS 72.1
DECATUR 75.7
NORTON 75.4
PHILLIPS 75.0
SMITH 78.8
JEWELL 78.4
REPUBLIC 76.3
WASHINGTON 77.4
MARSHALL 74.9
NEMAHA 75.0
BROWN 77.5
DONIPHAN 75.1
SHERMAN 70.7
THOMAS 64.0
SHERIDAN 71.6
GRAHAM 71.7
ROOKS 71.2
OSBORNE 76.6
MITCHELL 74.1
CLOUD 76.0
CLAY 76.7
RILEY 67.9
POTTAWATOMIE 75.5
JACKSON 70.7
ATCHISON 71.2
JEFFERSON 69.2
LEAVENWORTH 68.8
WYANDOTTE 67.1
WALLACE 76.2
LOGAN 71.9
GOVE 73.4
TREGO 73.5
ELLIS 67.6
RUSSELL 73.6
LINCOLN 76.3
OTTAWA 75.7
DICKINSON 73.7
GEARY 55.8
WABAUNSEE 74.7
SHAWNEE 70.2
DOUGLAS 70.5
JOHNSON 67.0
GREELEY 71.6
WICHITA 74.9
SCOTT 74.3
LANE 71.4
NESS 74.9
RUSH 71.2
BARTON 69.6
ELLSWORTH 73.3
SALINE 71.6
MORRIS 77.1
LYON 74.2
OSAGE 72.4
FRANKLIN 72.1
MIAMI 70.5
RICE 73.5
McPHERSON 73.9
MARION 75.3
CHASE 77.2
COFFEY 73.5
ANDERSON 75.7
LINN 70.1
HAMILTON 70.6
KEARNY 64.9
FINNEY 63.6
HODGEMAN 69.9
PAWNEE 73.6
STAFFORD 78.3
RENO 71.3
HARVEY 73.8
BUTLER 70.3
GREENWOOD 75.3
WOODSON 77.6
ALLEN 73.7
BOURBON 74.6
GRAY 68.5
FORD 68.9
EDWARDS 75.0
PRATT 72.7
SEDGWICK 66.8
STANTON 79.1
GRANT 67.2
HASKELL 70.9
KIOWA 72.0
KINGMAN 73.3
WILSON 74.7
NEOSHO 73.8
CRAWFORD 74.6
ELK 76.4
MORTON 66.2
STEVENS 69.0
SEWARD 63.0
MEADE 72.8
CLARK 70.3
COMANCHE 76.8
BARBER 72.7
HARPER 76.0
SUMNER 72.7
COWLEY 72.9
CHAUTAUQUA 74.5
MONTGOMERY 70.8
LABETTE 73.6
CHEROKEE 70.8
AVERAGE AGE AT DEATH
55.8
70.0
72.0
74.0
75.6
79.1
STATE AVERAGE: 70.7

Figure 16

Table 7
Deaths by Race and Sex, by Age Group and Average Age at Death
Kansas, 1980

Race and Sex	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	Average Age at Death
Deaths-All Races.....	21,910	412	85	112	536	454	460	1,126	2,622	4,532	6,229	5,340	2	70.7
Male...............	11,612	244	54	73	412	308	286	740	1,641	2,741	3,148	1,965	-	67.3
Female.............	10,298	168	31	39	124	146	174	386	981	1,791	3,081	3,375	2	74.6
White................	20,690	336	71	99	486	401	407	1,036	2,449	4,280	5,983	5,140	2	71.3
Male...............	10,951	202	47	63	374	274	253	687	1,537	2,601	3,033	1,880	-	67.8
Female.............	9,739	134	24	36	112	127	154	349	912	1,679	2,950	3,260	2	75.2
Black................	1,139	68	13	12	48	47	45	82	159	239	238	188	-	61.7
Male...............	617	40	7	9	36	32	30	49	95	130	113	76	-	58.2
Female.............	522	28	6	3	12	15	15	33	64	109	125	112	-	65.9
Indian...............	50	2	-	-	1	4	6	5	12	6	6	8	-	*
Male...............	30	-	-	-	1	1	3	4	8	6	1	6	-	*
Female.............	20	2	-	-	-	3	3	1	4	-	5	2	-	*
Other................	28	6	1	1	1	2	1	3	2	7	1	3	-	*
Male...............	12	2	-	1	1	1	-	-	1	4	-	2	-	*
Female.............	16	4	1	-	-	1	1	3	1	3	1	1	-	*
Unknown..............	3	-	-	-	-	-	1	-	-	-	1	1	-	*
Male...............	2	-	-	-	-	-	-	-	-	-	1	1	-	*
Female.............	1	-	-	-	-	-	1	-	-	-	-	-	-	*

Residence data.

Table 8
Selected Causes of Death by Age Group
And Average Age at Death
Kansas, 1980

Selected Causes of Death (ICD Code)	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.	Average Age at Death
All Causes....................	21,910	412	85	112	536	454	460	1,126	2,622	4,532	6,229	5,340	2	70.7
Selected Causes..................	18,750	137	63	95	488	390	394	993	2,279	3,869	5,363	4,678	1	n/a
Tuberculosis (010-018)........................	8	-	-	-	-	-	-	-	-	4	2	2	-	75.8
Malignant Neoplasms (140-208)........................	4,185	-	4	15	28	55	100	338	852	1,221	1,100	471	1	69.0
Diabetes Mellitus (250)............................	363	-	-	1	1	3	12	23	56	84	106	77	-	72.1
Hypertension (401, 403)........................	81	-	-	-	-	1	2	2	8	13	27	28	-	77.3
Heart Disease (390-398, 402, 404-429)...........	8,369	5	3	1	11	21	90	367	920	1,798	2,684	2,469	-	76.4
Cerebrovascular Disease (430-438)........................	2,006	-	1	-	2	7	18	33	127	332	731	755	-	79.7
Atherosclerosis (440)............................	452	-	-	-	-	-	-	1	6	30	130	285	-	85.9
Pneumonia and Influenza (480-487)........................	756	11	3	-	1	6	3	14	41	77	248	352	-	80.2
Emphysema (492)............................	134	-	-	1	-	-	-	3	27	47	45	11	-	72.0
Ulcer of Stomach and Duodenum (531-533)........................	74	-	-	-	-	-	-	4	11	15	27	17	-	76.1
Chronic Liver Disease and Cirrhosis (571)............................	207	-	-	-	-	4	17	47	73	45	13	8	-	59.5
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)........................	208	2	-	-	3	3	4	8	8	39	67	74	-	76.4
Congenital Anomalies (740-759)........................	153	102	13	6	6	3	4	2	8	3	3	3	-	12.0
Accidents (E800-E949)......................	1,323	13	32	67	324	175	95	100	103	132	165	117	-	45.2
Suicide (E950-E959)......................	257	-	-	1	64	57	28	29	31	25	14	8	-	42.4
Homicide (E960-E969)......................	174	4	7	3	48	55	21	22	8	4	1	1	-	31.3

Residence data.

Table 9
Ten Leading Causes of Death by Sex
By Number, Rate and Average Age at Death
Kansas, 1980

Leading Causes of Death (ICD Code)	Number of Deaths			Disease-Specific Death Rate			Average Age at Death		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Causes (000-E999)..............	21,910	11,612	10,298	927.1	1002.8	854.4	70.7	67.3	74.6
Heart Disease (390-398, 402, 404-429).......	8,369	4,387	3,982	354.1	378.9	330.4	76.4	73.3	79.9
Malignant Neoplasms (140-208)......................	4,185	2,285	1,900	177.1	197.3	157.7	69.0	68.6	69.4
Cerebrovascular Disease (430-438)......................	2,006	807	1,199	84.9	69.7	99.5	79.7	77.6	81.1
Accidents (E800-E949)....................	1,323	894	429	56.0	77.2	35.6	45.2	40.8	54.3
Pneumonia and Influenza (480-487)......................	756	342	414	32.0	29.5	34.4	80.2	76.1	83.6
Atherosclerosis (440).........................	452	156	296	19.1	13.5	24.6	85.9	83.9	86.9
Diabetes Mellitus (250).........................	363	168	195	15.4	14.5	16.2	72.1	70.7	73.2
Suicide (E950-E959)....................	257	191	66	10.9	16.5	5.5	42.4	41.7	44.3
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)......................	208	110	98	8.8	9.5	8.1	76.4	75.5	77.5
Chronic Liver Disease and Cirrhosis (571)...............	207	130	77	8.8	11.2	6.4	59.5	59.1	60.2

Note: Rates are based on an estimated distribution of population of 49 percent male and 51 percent female. This distribution is based upon the "1970 Census of Population for Kansas" by the U.S. Bureau of the Census.

Residence data.

Table 10
Selected Leading Causes of Death by Number and Rate
Kansas and the United States, 1980

Cause of Death (ICD Code)	Kansas		United States** (Estimates)	
	Number	Rate	Number	Rate
All Causes..................	21,910	927.1	197,745	892.6
Heart Disease (390-398, 402, 404-429)........	8,369	354.1	75,826	342.3
Malignant Neoplasms (140-208)......................	4,185	177.1	41,277	186.3
Cerebrovascular Disease (430-438)......................	2,006	84.9	16,871	76.2
Accidents (E800-E949)....................	1,323	56.0	10,412	47.0
Pneumonia and Influenza (480-487)......................	756	32.0	5,233	23.6
Atherosclerosis (440)..........................	452	19.1	2,965	13.4
Diabetes Mellitus (250)..........................	363	15.4	3,401	15.4
Suicide (E950-E959)....................	257	10.9	2,629	11.9
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)......................	208	8.8	1,729	7.8
Chronic Liver Disease and Cirrhosis (571)..........................	207	8.8	3,109	14.0
Certain Conditions Originating in the Perinatal Period (760-779)......................	197	8.3	2,244	10.1
Congenital Anomalies (740-759)......................	153	6.5	1,364	6.2
Emphysema (492)..........................	134	5.7	1,405	6.3
Hypertension (401, 403).....................	81	3.4	710	3.2
Ulcer of Stomach and Duodenum (531-533)......................	74	3.1	572	2.6

**United States estimates are from the National Center for Health Statistics and are based on a 10 percent sample.

Residence data.

Four Leading Causes: Depicted in Figure 17 are the year by year death rate trends of the four leading causes of death from 1940-1980. The rate of heart disease, the number one cause of death in Kansas, rose considerably from 1940 to 1961. After stabilizing somewhat for the next ten years, the heart disease death rate gradually declined to 343.2 in 1979. In 1980 the heart disease rate was 354.1 per 100,000 population, or 3.4 percent higher than the estimated United States rate of 342.3. The heart disease rate among Kansas men was 378.9 per 100,000 population in 1980 compared to 330.4 among the female population. The male victims of fatal heart disease averaged more than six years younger than female victims.

Cancer was the second-leading cause of death in Kansas in 1980, rising from 128.6 deaths per 100,000 population in 1940 to 177.1 in 1980. The Kansas rate was 4.9 percent lower than the estimated United States rate of 186.3 per 100,000 population. The incidence of terminal cancer was higher for men than for women, as evidenced by the death rates of 197.3 for males and 157.7 for females.

Kansas death rates for cerebrovascular disease, the number three cause of death in 1980, remained between 106.2 and 137.0 from 1940 to 1975. However, the rate dropped to 95.7 in 1976 and 84.9 in 1980. The Kansas rate was 11.4 percent higher than the estimated United States rate of 76.2. Comparing the number of male and female victims in 1980, nearly sixty (59.8) percent were females, and the sex-specific rate was 99.5 for females and 69.7 for males.

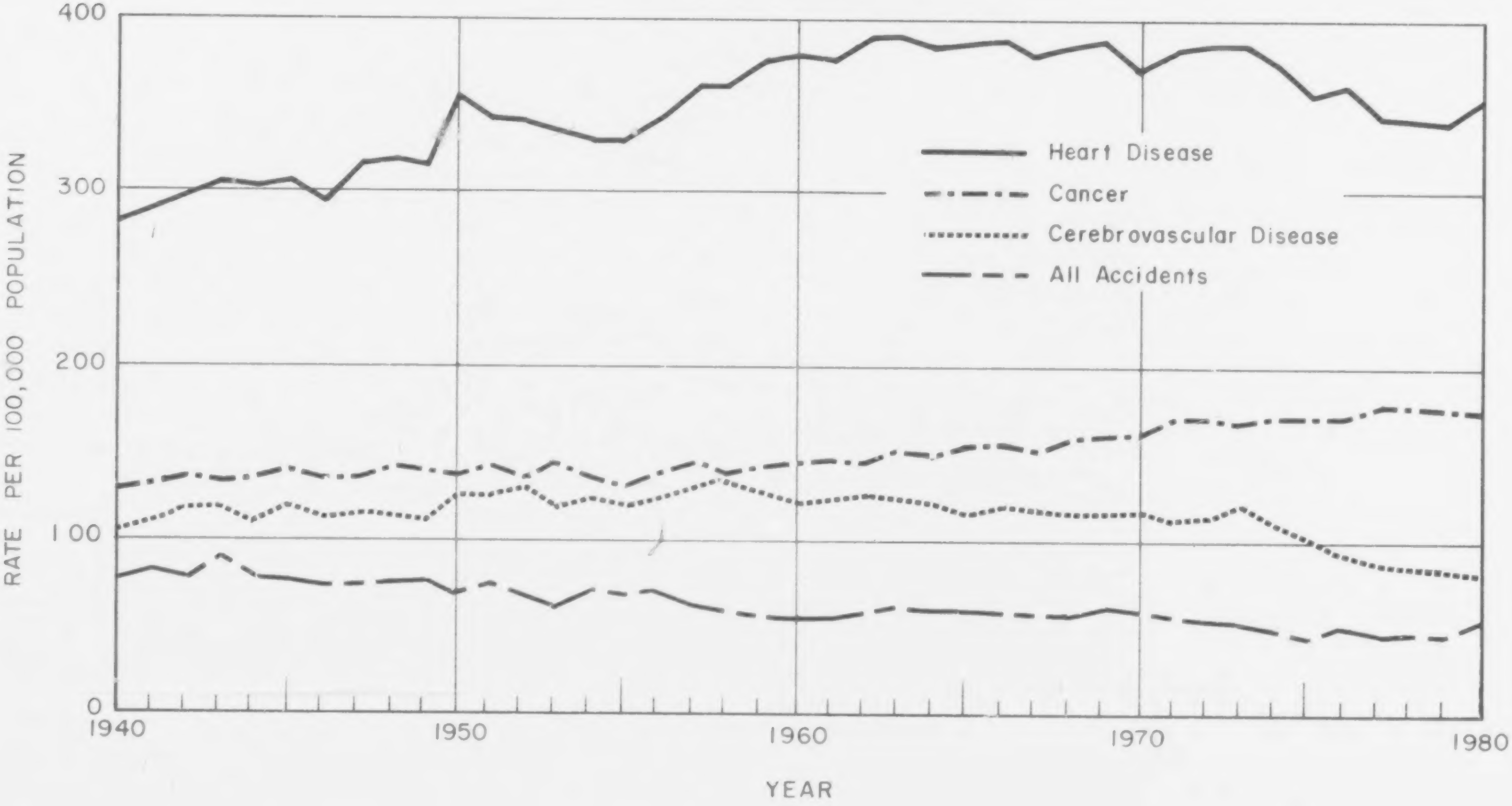
Accidental deaths accounted for 6.0 percent of all deaths in Kansas in 1980, making it the fourth-leading cause during that year. The death rate from accidents declined from 76.6 in 1940 to 56.0 in 1980. The Kansas accidental death rate was over nineteen (19.1) percent higher than the estimated United States rate of 47.0.

Leading Causes by Age Group: Variations in the most prevalent causes of death by selected age groups are presented in Figure 18. The leading causes of death for each age group are listed in order of magnitude. It is thus noted that in 1980, accidents were the most frequent cause of death for victims between 1 and 44 years of age. Heart disease was more commonly fatal to those persons over 44 years old. Cancer and cerebrovascular disease also claimed more victims of older age groups than of younger. Suicide and homicide had the greatest impact upon persons of the 15-24 and 25-44 categories. Influenza and pneumonia was one of the five leading causes of death of persons over 64.

Heart Disease: The number one cause of death in Kansas, heart disease, claimed 8,369 lives in 1980 and accounted for 38.2 percent of all deaths during the year.

The classifications which constitute heart disease, the number of deaths attributable to each and the respective sex and age group distributions are presented in Table 11.

DEATH RATES FOR LEADING CAUSES OF DEATH
KANSAS, 1940 - 1980

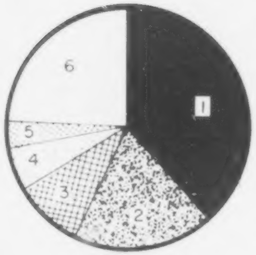


Residence data.

Figure 17

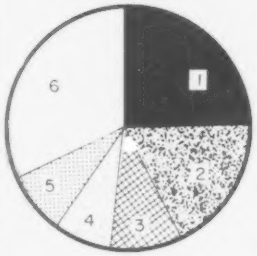
LEADING CAUSES OF DEATH BY AGE GROUP
KANSAS, 1980

ALL AGES



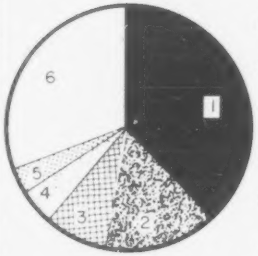
Cause of Death	Number of Deaths
1 Heart Disease	8,369
2 Cancer	4,185
3 Cerebrovascular Disease	2,006
4 Accidents	1,323
5 Pneumonia and Influenza	756
6 Other Causes	5,271
Total Deaths[1]	21,910

UNDER 1 YEAR



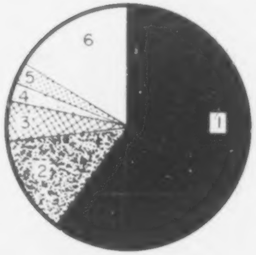
Cause of Death	Number of Deaths
1 Congenital Anomalies	102
2 Respiratory Distress Syndrome and Other Respiratory Conditions	72
3 Immaturity	39
4 Sudden Infant Death	33
5 Maternal Conditions and Birth Trauma	33
6 Other Causes	133
Total Deaths	412

1-4 YEARS



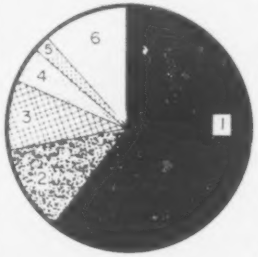
Cause of Death	Number of Deaths
1 Accidents	32
2 Congenital Anomalies	13
3 Homicide	7
4 Cancer	4
5 Heart Disease	3
6 Other Causes	26
Total Deaths	85

5-14 YEARS



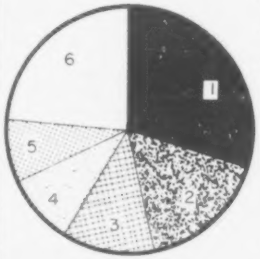
Cause of Death	Number of Deaths
1 Accidents	67
2 Cancer	15
3 Congenital Anomalies	6
4 Cystic Fibrosis	3
5 Homicide	3
6 Other Causes	18
Total Deaths	112

15-24 YEARS



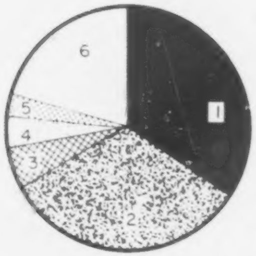
Cause of Death	Number of Deaths
1 Accidents	324
2 Suicide	64
3 Homicide	48
4 Cancer	28
5 Heart Disease	11
6 Other Causes	61
Total Deaths	536

25-44 YEARS



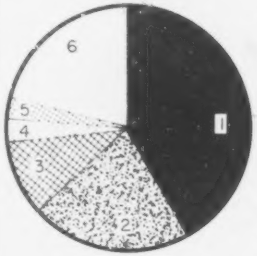
Cause of Death	Number of Deaths
1 Accidents	270
2 Cancer	155
3 Heart Disease	111
4 Suicide	85
5 Homicide	76
6 Other Causes	217
Total Deaths	914

45-64 YEARS



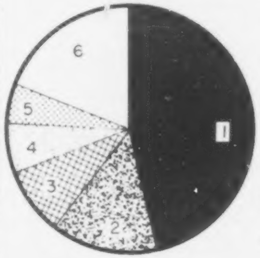
Cause of Death	Number of Deaths
1 Heart Disease	1,287
2 Cancer	1,190
3 Accidents	203
4 Cerebrovascular Disease	160
5 Chronic Liver Disease and Cirrhosis	120
6 Other Causes	788
Total Deaths	3,748

65-84 YEARS



Cause of Death	Number of Deaths
1 Heart Disease	4,482
2 Cancer	2,321
3 Cerebrovascular Disease	1,063
4 Pneumonia and Influenza	325
5 Accidents	297
6 Other Causes	2,273
Total Deaths	10,761

85 YEARS AND OVER



Cause of Death	Number of Deaths
1 Heart Disease	2,469
2 Cerebrovascular Disease	755
3 Cancer	471
4 Pneumonia and Influenza	352
5 Atherosclerosis	285
6 Other Causes	1,008
Total Deaths	5,340

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[1] Two deaths by age group of decedent unknown

Residence data

Figure 18

Table 11
Heart Disease Deaths by Age Group and Sex
Kansas, 1980

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Diseases of the Heart (390-398, 402, 404-429)	8,369	5	3	1	11	21	90	367	920	1,798	2,684	2,469
Male	4,387	3	2	-	9	12	66	282	643	1,136	1,351	883
Female	3,982	2	1	1	2	9	24	85	277	662	1,333	1,586
Acute Rheumatic Fever and Chronic Rheumatic Heart Disease (390-398)	68	-	-	-	-	1	3	10	12	15	17	10
Male	27	-	-	-	-	-	2	4	6	8	2	5
Female	41	-	-	-	-	1	1	6	6	7	15	5
Hypertensive Heart Disease with or without Renal Disease (402, 404)	239	-	-	-	-	-	4	9	22	52	67	85
Male	88	-	-	-	-	-	2	5	11	24	28	18
Female	151	-	-	-	-	-	2	4	11	28	39	67
Ischemic Heart Disease (410-414)	6,394	-	-	-	1	10	60	298	735	1,433	2,078	1,779
Male	3,534	-	-	-	1	6	49	239	545	946	1,081	667
Female	2,860	-	-	-	-	4	11	59	190	487	997	1,112
Disease of Pulmonary Circulation (415-417)	168	-	-	-	-	3	6	4	20	52	48	35
Male	73	-	-	-	-	1	2	2	9	23	22	14
Female	95	-	-	-	-	2	4	2	11	29	26	21
All Other Forms of Heart Disease (420-429)	1,500	5	3	1	10	7	17	46	131	246	474	560
Male	665	3	2	-	8	5	11	32	72	135	218	179
Female	835	2	1	1	2	2	6	14	59	111	256	381

Residence data.

The most prevalent type of heart disease was ischemic heart disease which claimed 76.4 percent of all heart disease victims. In general, ischemic heart disease refers to an obstruction of the flow of blood from the arteries to the heart and resultant reduction of blood supply to the heart. Two forms, acute myocardial infarction and other forms of chronic ischemic heart disease, accounted for nearly all ischemic heart disease deaths, 3,655 and 2,707, respectively. Ischemic heart disease was most commonly fatal to persons over 64 years of age, especially those between 75 and 84. Fifty-two (52.4) percent of the total heart disease victims were males and 47.6 percent were females, but the sex distributions by age group showed wide variations. For the age groups between 35 and 74, 67.0 percent of the victims were males while for the age group 75 years and over, only 43.4 percent were males.

Cancer: The 4,185 deaths in 1980 which were caused by cancer, or malignant neoplasms, contributed 19.1 percent of the total number of deaths and represented the second most prevalent cause of death in the State. Almost thirty (29.2) percent of the victims were between 65 and 74 years of age and the sex distribution was 54.6 percent males and 45.4 percent females. As depicted in Table 12, malignant neoplasms of the digestive organs and peritoneum accounted for over one-fourth (1,117) of all cancer victims. Cancer of the respiratory and intrathoracic organs claimed 1,038 victims, 73.1 percent of which were men.

Cerebrovascular Disease: Cerebrovascular deaths claimed 2,006 lives in 1980, making cerebrovascular deaths the third leading cause of death for the year. The average age at death of persons dying from cerebrovascular diseases was 79.7 years in 1980 (Table 13). One form, acute but ill-defined causes, accounted for over fifty (54.0) percent of all cerebrovascular deaths. Other categories of the disease include occlusion of cerebral arteries and transient cerebral ischemia, which caused 387 deaths; and subarachnoid and intracerebral hemorrhage and other and unspecified intracranial hemorrhage which accounted for 270. Overall the sex distribution of the victims was 40.2 percent males and 59.8 percent females.

Selected Chronic Diseases: The seven chronic diseases listed in Table 14 represented 1,519, or 6.9 percent of all deaths during 1980. Most victims of fatal chronic diseases were in the older age group; 60.2 percent were persons 75 years or older.

Atherosclerosis claimed 452 of the "selected chronic disease" victims. Diabetes mellitus, another of the most prevalent chronic diseases claimed 363 lives. Chronic liver disease and cirrhosis, and emphysema, two diseases commonly linked with alcohol and smoking habits, were more often fatal to men than to women. Over two-thirds (67.4 percent) of the victims of these two diseases were males and 32.6 percent were females.

Accidental Deaths: Deaths attributable to accidents in 1980 totaled 1,323, 6.0 percent of all deaths, making accidents the fourth-leading cause of death for the year. Types of accidents are outlined in Table 15 with the number of male and female victims and age groups.

Table 12
Malignant Neoplasm Deaths
By Site of Lesion, Age Group and Sex
Kansas, 1980

Site of Lesion and Sex (ICD Code)	Total	Age Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	N.S.
Maligant Neoplasms (All Sites) (140-208)	4,185	-	4	15	28	55	100	338	852	1,221	1,100	471	1
Male	2,285	-	2	9	19	23	44	189	490	695	593	221	-
Female	1,900	-	2	6	9	32	56	149	362	526	507	250	1
Lip, Oral Cavity and Pharynx (140-149)	74	-	-	-	-	-	1	11	19	23	14	6	-
Male	53	-	-	-	-	-	1	9	14	15	9	5	-
Female	21	-	-	-	-	-	-	2	5	8	5	1	-
Digestive Organs and Peritoneum (150-159)	1,117	-	1	-	1	5	20	68	188	321	350	163	-
Male	589	-	1	-	-	2	13	50	114	183	163	63	-
Female	528	-	-	-	1	3	7	18	74	138	187	100	-
Respiratory and Intrathoracic Organs (160-165)	1,038	-	-	-	-	2	17	115	308	336	215	45	-
Male	759	-	-	-	-	2	8	76	229	254	159	31	-
Female	279	-	-	-	-	-	9	39	79	82	56	14	-
Breast (174-175)	353	-	-	-	-	13	19	48	71	94	78	30	-
Male	4	-	-	-	-	-	-	1	-	1	2	-	-
Female	349	-	-	-	-	13	19	47	71	93	76	30	-
Genital Organs (179-187)	483	-	-	-	5	10	8	16	72	142	150	80	-
Male	259	-	-	-	3	3	2	3	23	68	99	58	-
Female	224	-	-	-	2	7	6	13	49	74	51	22	-
Urinary Organs (188-189)	210	-	-	-	-	-	2	10	45	63	50	39	1
Male	140	-	-	-	-	-	2	6	35	43	35	19	-
Female	70	-	-	-	-	-	-	4	10	20	15	20	1
Other and Unspecified Sites (170-173, 190-199)	482	-	2	8	13	13	24	38	83	126	120	55	-
Male	265	-	1	6	9	10	13	27	45	72	65	17	-
Female	217	-	1	2	4	3	11	11	38	54	55	38	-
Leukemia (204-208)	189	-	1	5	6	7	4	15	25	42	53	31	-
Male	89	-	-	2	4	3	1	5	11	22	24	17	-
Female	100	-	1	3	2	4	3	10	14	20	29	14	-
Other Lymphatic and Hematopoietic Tissue (200-203)	239	-	-	2	3	5	5	17	41	74	70	22	-
Male	127	-	-	1	3	3	4	12	19	37	37	11	-
Female	112	-	-	1	-	2	1	5	22	37	33	11	-

Residence data.

Table 13
Cerebrovascular Disease Deaths by Age Group and Sex
Kansas, 1980

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Cerebrovascular Disease (430-438).....................	2,006	-	1	-	2	7	18	33	127	332	731	755
Male.........................	807	-	1	-	-	2	9	19	67	169	294	246
Female......................	1,199	-	-	-	2	5	9	14	60	163	437	509
Subarachnoid and Intracerebral Hemorrhage and Other and Unspecified Intracranial Hemorrhage (430-432).....................	270	-	1	-	2	6	12	18	44	57	82	48
Male.........................	109	-	1	-	-	1	5	9	22	27	29	15
Female......................	161	-	-	-	2	5	7	9	22	30	53	33
Occlusion and Stenosis of Precerebral Arteries (433).........................	26	-	-	-	-	-	1	1	1	10	8	5
Male.........................	10	-	-	-	-	-	1	1	-	5	3	-
Female......................	16	-	-	-	-	-	-	-	1	5	5	5
Occlusion of Cerebral Arteries and Transient Cerebral Ischemia (434-435).....................	387	-	-	-	-	-	2	4	17	53	153	158
Male.........................	155	-	-	-	-	-	2	3	10	32	63	45
Female......................	232	-	-	-	-	-	-	1	7	21	90	113
Acute but Ill-defined Cerebrovascular Disease (436).........................	1,083	-	-	-	-	1	1	9	60	183	409	420
Male.........................	439	-	-	-	-	1	-	6	32	88	173	139
Female......................	644	-	-	-	-	-	1	3	28	95	236	281
Other and Ill-defined Cerebrovascular Disease (437).........................	214	-	-	-	-	2	-	1	3	23	71	114
Male.........................	83	-	-	-	-	1	-	-	2	13	24	43
Female......................	131	-	-	-	-	1	-	1	1	10	47	71
Late Effects of Cerebrovascular Disease (438).........................	26	-	-	-	-	-	-	-	2	6	8	10
Male.........................	11	-	-	-	-	-	-	-	1	4	2	4
Female......................	15	-	-	-	-	-	-	-	1	2	6	6

Residence data.

Table 14
Selected Chronic Disease Deaths by Age Group and Sex
Kansas, 1980

Cause of Death and Sex (ICD Code)	Total	Age Group Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Total...............	1,519	2	-	2	4	11	35	88	189	273	415	500
Male.............	746	1	-	2	3	2	23	57	110	166	205	177
Female...........	773	1	-	-	1	9	12	31	79	107	210	323
Diabetes Mellitus (250)..................	363	-	-	1	1	3	12	23	56	84	106	77
Male.................	168	-	-	1	1	-	7	12	27	40	46	34
Female...............	195	-	-	-	-	3	5	11	29	44	60	43
Hypertension without mention of Heart Disease (401, 403)............	81	-	-	-	-	1	2	2	8	13	27	28
Male.................	40	-	-	-	-	-	1	2	5	9	14	9
Female...............	41	-	-	-	-	1	1	-	3	4	13	19
Atherosclerosis (440)..................	452	-	-	-	-	-	-	1	6	30	130	285
Male.................	156	-	-	-	-	-	-	-	4	20	52	80
Female...............	296	-	-	-	-	-	-	1	2	10	78	205
Emphysema (492)..................	134	-	-	1	-	-	-	3	27	47	45	11
Male.................	100	-	-	1	-	-	-	3	20	35	33	8
Female...............	34	-	-	-	-	-	-	-	7	12	12	3
Ulcer of Stomach and Duodenum (531-533)............	74	-	-	-	-	-	-	4	11	15	27	17
Male.................	42	-	-	-	-	-	-	3	6	8	17	8
Female...............	32	-	-	-	-	-	-	1	5	7	10	9
Chronic Liver Disease and Cirrhosis (571)..................	207	-	-	-	-	4	17	47	73	45	13	8
Male.................	130	-	-	-	-	1	13	30	46	29	7	4
Female...............	77	-	-	-	-	3	4	17	27	16	6	4
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).............	208	2	-	-	3	3	4	8	8	39	67	74
Male.................	110	1	-	-	2	1	2	7	2	25	36	34
Female...............	98	1	-	-	1	2	2	1	6	14	31	40

Residence data.

Table 15
Accidental Deaths by Age Group and Sex
Kansas, 1980

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
All Accidents (E800-E949)............	1,323	13	32	67	324	175	95	100	103	132	165	117
Male................	894	10	18	45	258	146	68	68	71	75	88	47
Female..............	429	3	14	22	66	29	27	32	32	57	77	70
All Motor-Vehicle Accidents (E810-E825)..............	629	2	10	37	241	116	59	44	37	33	40	10
Male....................	444	1	6	23	188	91	41	27	21	16	22	8
Female..................	185	1	4	14	53	25	18	17	16	17	18	2
Water Transport Accidents (E830-E838)..............	11	-	-	2	2	2	-	2	2	1	-	-
Male....................	11	-	-	2	2	2	-	2	2	1	-	-
Female..................	-	-	-	-	-	-	-	-	-	-	-	-
Air and Space Transport Accidents (E840-E845)......	18	-	-	-	3	4	5	3	1	1	1	-
Male....................	14	-	-	-	2	4	4	2	-	1	1	-
Female..................	4	-	-	-	1	-	1	1	1	-	-	-
Accidental Poisonings (E850-E869)..............	37	-	1	-	4	5	4	9	7	2	3	2
Male....................	27	-	1	-	2	5	3	6	5	2	3	-
Female..................	10	-	-	-	2	-	1	3	2	-	-	2
Accidental Falls (E880-E888)..............	143	-	1	2	3	3	3	5	5	21	38	62
Male....................	73	-	1	2	3	3	3	4	4	14	18	21
Female..................	70	-	-	-	-	-	-	1	1	7	20	41
Accidents Caused by Fires and Flames (E890-E899).....	72	1	9	3	14	11	4	2	7	10	8	3
Male....................	51	1	5	2	10	10	2	2	6	7	5	1
Female..................	21	-	4	1	4	1	2	-	1	3	3	2
Accidents Due to Natural and Environmental Factors (E900-E909)..............	120	1	-	-	-	2	5	11	20	28	36	17
Male....................	54	1	-	-	-	1	3	4	12	11	16	6
Female..................	66	-	-	-	-	1	2	7	8	17	20	11
Accidental Drowning and Submersion (E910)..........	51	-	5	6	19	9	2	5	2	2	1	-
Male....................	41	-	2	5	16	9	2	4	1	1	1	-
Female..................	10	-	3	1	3	-	-	1	1	1	-	-
Inhalation and Ingestion of Food Causing Obstruction or Suffocation (E911)......	32	3	-	-	2	1	3	3	3	6	7	4
Male....................	15	3	-	-	2	-	1	2	2	3	2	-
Female..................	17	-	-	-	-	1	2	1	1	3	5	4

Table 15 (cont.)
Accidental Deaths by Age Group and Sex
Kansas, 1980

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Accidents Caused by Machinery (E919)....................	25	-	1	1	1	5	1	4	2	6	4	-
Male....................	25	-	1	1	1	5	1	4	2	6	4	-
Female.................	-	-	-	-	-	-	-	-	-	-	-	-
Accident Caused by Electric Current (E925)............	15	-	-	2	5	2	1	2	1	2	-	-
Male....................	14	-	-	2	5	2	1	2	1	1	-	-
Female.................	1	-	-	-	-	-	-	-	-	1	-	-
Other Accidents (E800-E807, E826-E829, E846-E848, E870-E879, E912-E918, E920-E924, E926-E949)...............	170	6	5	14	30	15	8	10	16	20	27	19
Male....................	125	4	2	8	27	14	7	9	15	12	16	11
Female.................	45	2	3	6	3	1	1	1	1	8	11	8

Residence data.

Comparing the number of male and female accident victims in 1980, over two-thirds, 67.6 percent, were males and they outnumbered females in all age groups except those in the 85 and over category. The average age at death for accident victims was 45.2 years. Furthermore, the average age of men dying from accidental causes was 40.8, over thirteen years younger than that of female victims, whose average age was 54.3 years.

Motor-vehicle accidents, the most prevalent type of fatal accident, accounted for nearly half (47.5 percent) of the total in 1980. Of the 629 motor-vehicle fatalities, 29.9 percent were to males in the 15-24 year age group.

Accidental falls claimed 143 lives, which represented 10.8 percent of all accidental deaths in 1980. Over two-thirds (69.9 percent) of the victims were 75 years of age or older. Of the persons 75 years of age or older who died as a result of an accident 35.5 percent were fall victims.

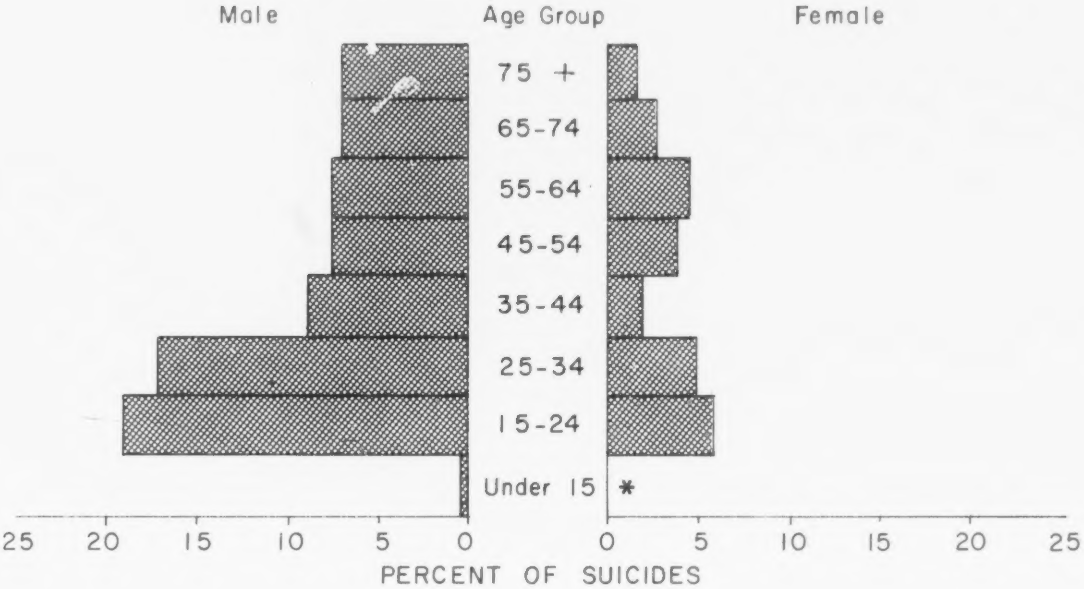
Suicide and Homicide: Suicide and homicide ranked eighth and thirteenth, respectively, among the leading causes of death in 1980. The average age at death from suicidal causes was 42.4 years; that of homicide was 31.3, clearly emphasizing the early age of persons dying from these unnatural causes. The Kansas suicide rate was 10.9 in 1980, 8.4 percent lower than the estimated 1980 national rate of 11.9. The distribution of suicide and homicide deaths in Figure 19 compares the age group and sex of victims.

Almost three-fourths (74.3 percent) of the 257 suicide victims in 1980 were males. Male victims between 15 to 24 years of age accounted for 19.1 percent of all suicide deaths while men between 25 to 34 ranked second with 17.1 percent. The most prevalent age group for female suicide victims was the 15-24 age group, which accounted for 5.8 percent of all suicide deaths. The average age of male suicide victims was 41.7, while the average age of female victims was 44.3 years.

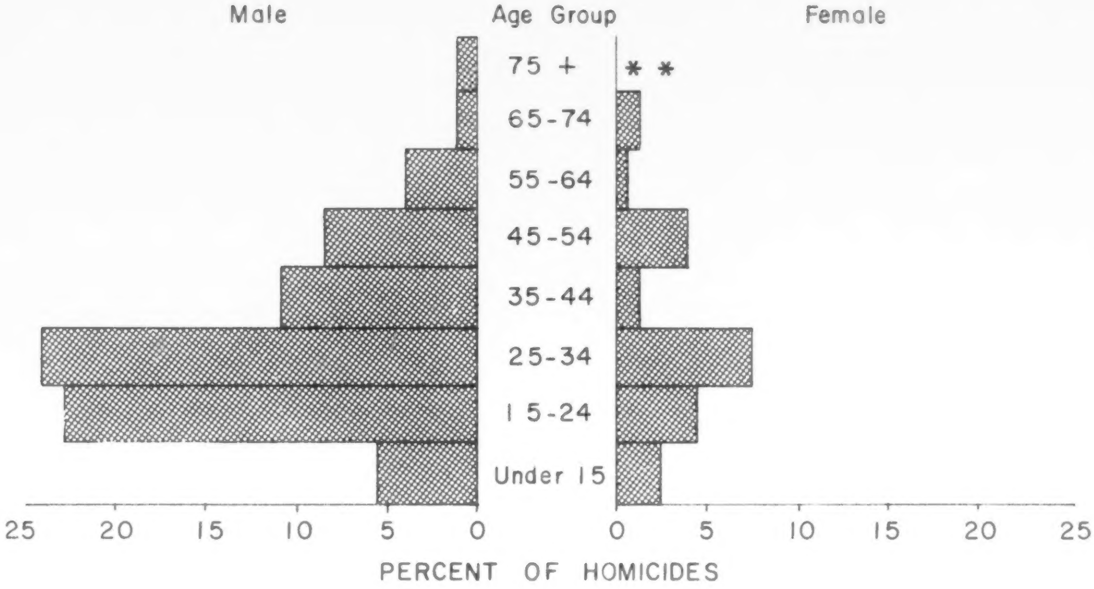
Figure 19 also illustrates the predominance of male homicide victims over female victims; over three-fourths (78.7 percent) of the 174 homicide victims in 1980 were male. Twenty-four (24.1) percent of the homicide deaths were men in the 25 to 34 age group followed by 23.0 percent in the 15 to 24 age group. More female homicide victims (7.5 percent) were in the 25 to 34 age group than any other. The average age of male homicide victims in 1980 was 31.2 years; that of female victims was 31.8 years. The 1980 homicide and legal intervention rate for Kansas was 7.5, and was 30.6 percent lower than the estimated United States rate of 10.8.

SUICIDES AND HOMICIDES
PERCENT DISTRIBUTION BY AGE GROUP AND SEX
KANSAS, 1980

SUICIDES



HOMICIDES



*No suicide deaths occurred for females under 15.
**No homicide deaths occurred for females 75 and over.
Residence data.

Figure 19

Non-underlying Causes: The ten leading underlying causes of death are listed in Table 16, along with the number of times each of these specific underlying causes of death was mentioned as a non-underlying (contributing) cause of death. The same cause cannot appear both as an underlying and non-underlying cause; therefore, all of the diagonal cells of the table are blank. Each non-underlying cause is counted only once in the same column but the same death may be counted in more than one column.

In Kansas, in 1980, heart disease accounted for a total of 8,369 underlying causes and 916, or 10.9 percent of these deaths listed atherosclerosis as a non-underlying cause. Cancer accounted for a total 4,185 underlying causes and 792, or 18.9 percent of these deaths listed heart disease as a non-underlying cause. Only 452 deaths were attributed to atherosclerosis in 1980; yet 1,695 of the leading underlying causes listed atherosclerosis as a contributing factor.

Table 16
Ten Leading Causes of Death*
Underlying Cause by Non-underlying Cause
Kansas, 1980

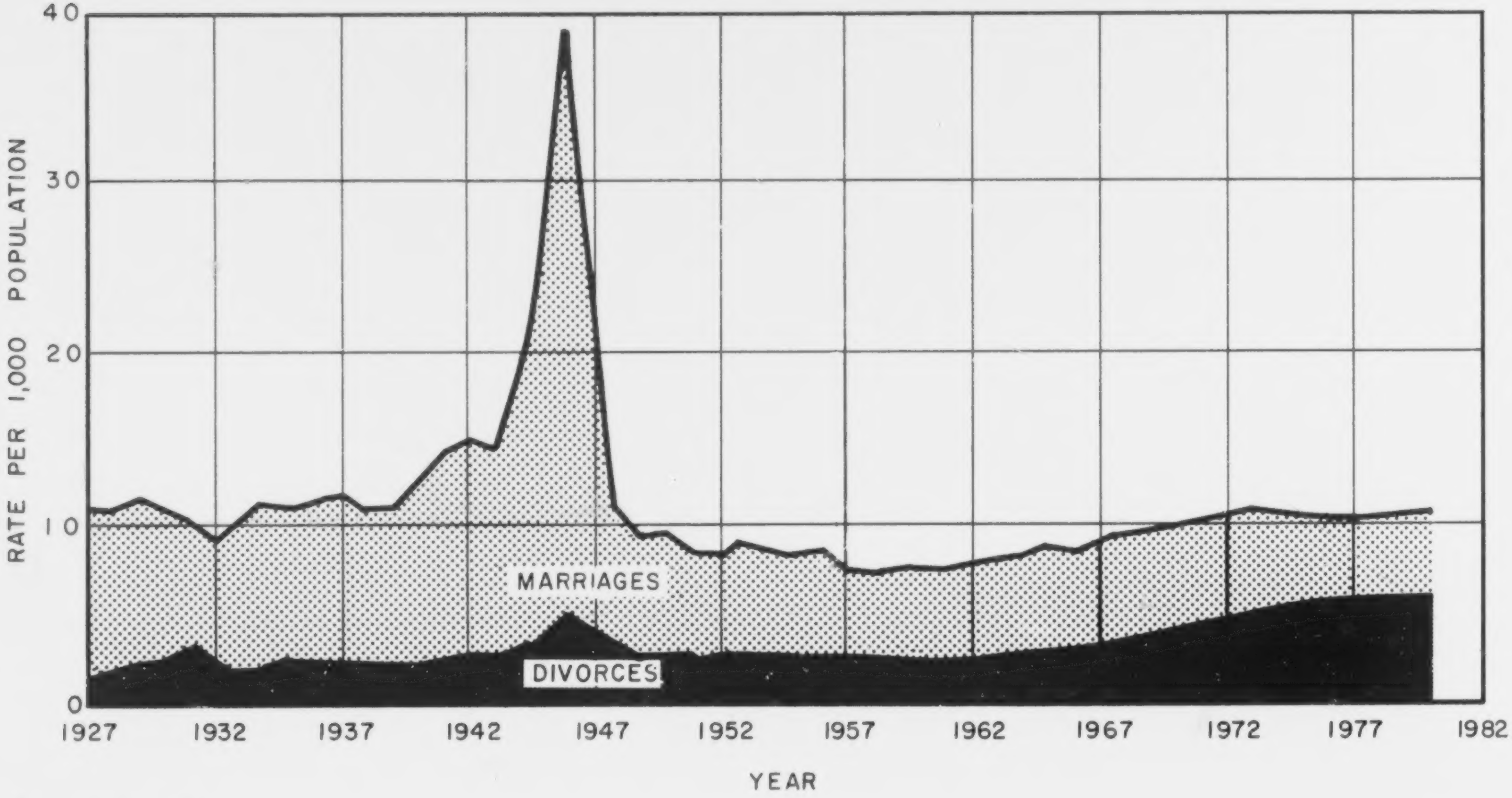
Leading Underlying Causes of Death (ICD Code)	Total	Non-underlying Causes of Death**										
		Total	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis
Leading Causes..............	18,126	8,696	2,262	473	1,100	485	1,058	1,695	848	2	705	68
Heart Disease (390-398, 402, 404-429)...	8,369	3,545	-	315	795	248	406	916	529	1	301	34
Malignant Neoplasms (140-208).................	4,185	1,675	792	-	109	111	321	70	93	1	166	12
Cerebrovascular Disease (430-438).................	2,006	1,511	444	53	-	81	193	553	143	-	41	3
Accidents (E800-E949)..............	1,323	311	193	10	26	-	33	13	9	-	21	6
Pneumonia and Influenza (480-487).................	756	519	243	51	80	12	-	64	33	-	28	8
Atherosclerosis (440).....................	452	384	209	16	-	13	59	-	24	-	61	2
Diabetes Mellitus (250).....................	363	467	222	11	71	12	15	66	-	-	68	2
Suicide (E950-E959)..............	257	15	6	3	1	2	-	-	2	-	-	1
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)...	208	180	117	10	13	2	17	11	10	-	-	-
Chronic Liver Disease and Cirrhosis (571)..........	207	89	36	4	5	4	14	2	5	-	19	-

*This table represents only 82.7 percent of the total 21,910 deaths in 1980.

**Non-underlying causes represent the frequency with which these causes are mentioned on the death certificate as other than the underlying cause of death.

MARRIAGES

MARRIAGE AND DIVORCE RATES
KANSAS, 1927-1980



Occurrence data.

Figure 20

MARRIAGES

In 1980, there were 24,847 marriages performed in Kansas, an increase of 0.3 percent over the 1979 total of 24,774. Nineteen (18.6) percent of the persons who exchanged vows in Kansas in 1980 were residents of other states, while 81.4 percent were Kansas residents. However, the data presented in this summary refer to all marriages which occurred in the State. (The number of marriages performed in each county and corresponding marriage rates appear in Appendix Table 34.)

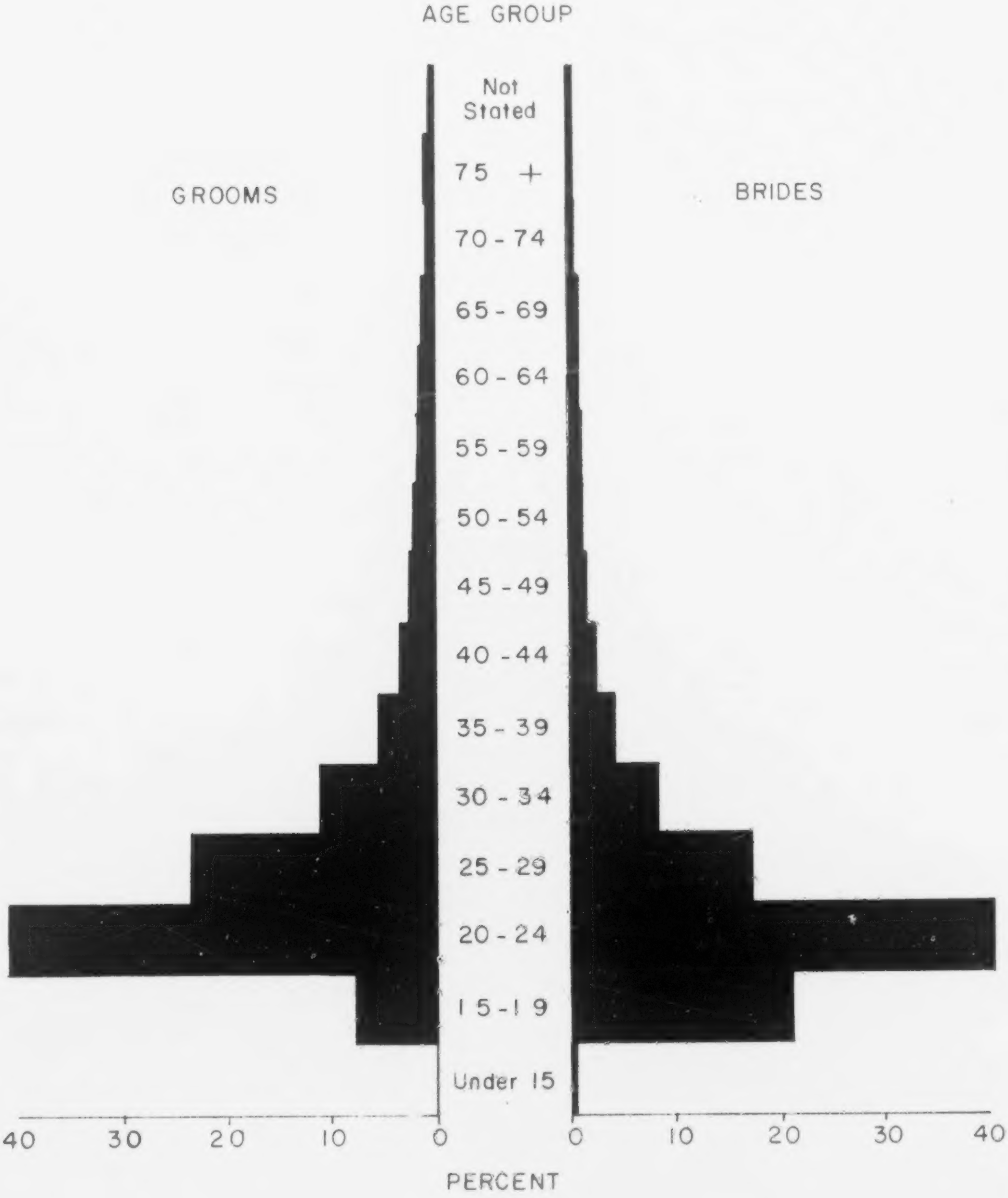
Trends

Following World War II, marriage rates in Kansas reached a record high of 38.8 per thousand population in 1946, as outlined in Figure 20. After falling sharply in the late Forties and during the Korean War in the early 1950's, the rates dipped slightly between 1955 and 1960. In 1961, when the rate was 7.6 per 1,000 population, marriage rates in Kansas began to rise again. Upon reaching 10.0 in 1970, the rates stabilized between 10.0 and 10.7 from 1970 to 1980. In 1980 the Kansas marriage rate was 10.5, 3.7 percent lower than the estimated national rate of 10.9.

Nuptial Age

As illustrated in Figure 21, the highest percentage of those who married in 1980 were between 20 and 24 years of age. Forty (40.3) percent of the brides and 40.5 percent of the grooms were in that age group. The average age of all brides in 1980 was 26.1; that of grooms was 28.7. Women marrying for the first time averaged 21.7 years of age while first-time grooms averaged 24.1 years. Of those persons who remarried during 1980, women were, on the average, 34.3 years old and men were 37.5 years of age. The number of brides and grooms by age group in 1980 are shown in Table 17. The most common age combination was 19-year-old brides and 21-year-old grooms.

MARRIAGES: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1980



Occurrence data.

Figure 21

Table 17
Marriages by Age Group of Groom, by Age Group of Bride
Kansas, 1980

Age Group of Groom	Total	Age Group of Bride														
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total.......	24,847	12	5,265	10,023	4,255	2,087	1,042	646	425	277	230	176	163	99	64	83
Under 15....	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
15-19.......	1,880	5	1,441	390	29	4	4	-	1	-	-	1	-	-	-	5
20-24.......	10,061	3	3,203	5,849	809	146	26	7	3	2	-	-	-	-	-	13
25-29.......	5,876	4	497	2,826	1,912	485	111	28	5	-	1	-	-	-	-	7
30-34.......	2,685	-	85	678	977	674	196	55	13	3	-	-	1	-	-	3
35-39.......	1,419	-	18	170	336	443	304	102	30	6	2	1	-	-	1	6
40-44.......	809	-	8	43	129	176	199	177	53	17	6	-	-	-	-	1
45-49.......	593	-	1	33	39	90	113	138	116	48	12	-	2	-	-	1
50-54.......	422	-	3	5	10	42	58	86	99	63	31	16	8	1	-	-
55-59.......	329	-	-	2	6	11	18	37	72	69	70	28	10	4	-	2
60-64.......	230	-	1	6	3	3	7	13	22	44	58	50	16	5	-	2
65-69.......	182	-	-	1	1	1	2	2	7	18	30	49	51	14	6	-
70-74.......	133	-	-	-	-	2	2	1	4	5	14	25	35	36	8	1
75 & Over...	144	-	-	-	-	1	-	-	-	2	6	6	40	39	49	1
Not Stated..	82	-	7	19	4	9	2	-	-	-	-	-	-	-	-	41

Occurrence data.

Premarital Status

Marriages where neither party had been previously married accounted for 13,636, or 54.9 percent of all marriages. Most of those remarrying, 88.2 percent, had been divorced, 10.5 percent were widowed and 1.3 percent had obtained annulments. Shown in Table 18 are the number of brides and grooms in 1980 by their premarital status.

Table 18
Marriages by Premarital Status of Bride and Groom
Kansas, 1980

Premarital Status of Groom	Total	Premarital Status of Bride				
		Never Married	Divorced	Annulment	Widowed	Not Stated
Total.........	24,847	16,150	7,516	110	959	112
Never Married..	16,315	13,636	2,463	44	115	57
Divorced	7,535	2,385	4,677	47	392	34
Annulment.....	115	52	42	7	14	-
Widowed.......	823	61	310	11	437	4
Not Stated.....	59	16	24	1	1	17

Seasonality

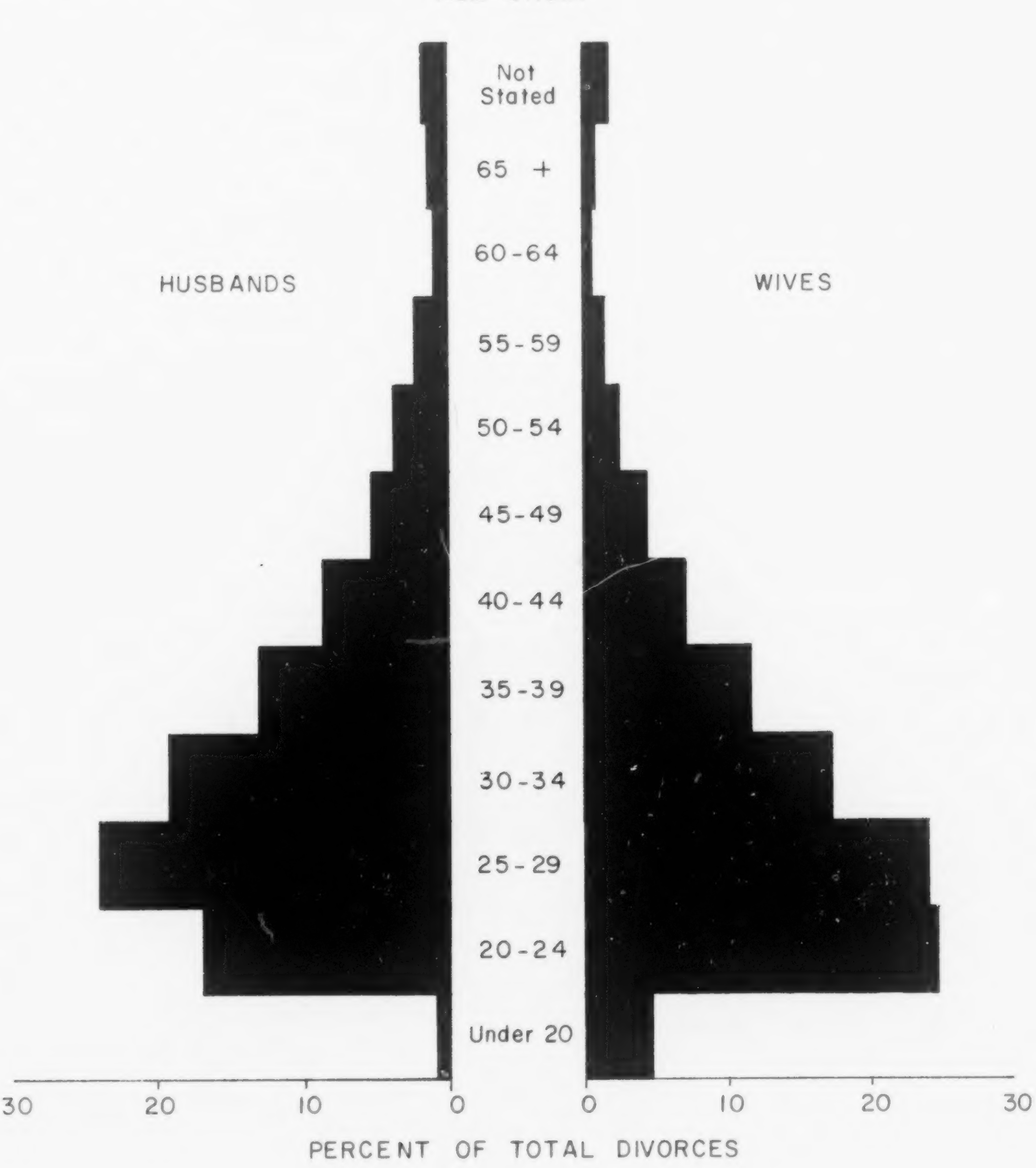
August accounted for the largest percentage (12.6) of the marriages performed in Kansas in 1980. June and May were the second and third most popular months and accounted for 12.3 percent and 11.6 percent, respectively. The distribution of marriages by month of ceremony is presented below.

Marriages: Number and Percent by Month

	Number	Percent
Total	24,847	100.0
January	1,325	5.3
February ...	1,500	6.0
March	1,605	6.4
April	1,802	7.3
May	2,874	11.6
June	3,050	12.3
July	2,081	8.4
August	3,125	12.6
September..	1,838	7.4
October	1,836	7.4
November ..	2,018	8.1
December ..	1,793	7.2

DIVORCES AND ANNULMENTS

DIVORCES: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1980



Occurrence data

Figure 22

DIVORCES AND ANNULMENTS

There were 13,410 marriage dissolutions in Kansas in 1980, an increase of 5.2 percent over the 12,749 granted in 1979. The number of divorces increased from 12,526 in 1979 to 13,179 in 1980, while the number of annulments increased from 223 to 231.

Whereas a divorce is the dissolution of a legally binding marriage contract, an annulment voids the marriage contract of an invalid marriage. It is therefore as expected that annulments represent a minor portion of all marriage dissolutions in Kansas (1.7 percent in 1980). In many cases annulments have been grouped with divorces for purposes of presentation in this summary. (The total divorces and annulments in each county from 1976 through 1980 are shown by number and rate in Appendix Table 35.)

Trends

Prior to and during World War II the divorce rates remained relatively stable, as shown in Figure 20. In 1946, however, the divorce rate reached a peak of 5.0 per 1,000 population. Following this increase the divorce rates stabilized along the average annual rate of 2.5 per 1,000 population from 1949 to 1966. Since that time, the divorce rate has generally increased, reaching a high of 5.6 in 1980. The Kansas divorce and annulment rate in 1980 was 5.7, 7.5 percent higher than the estimated national rate of 5.3.

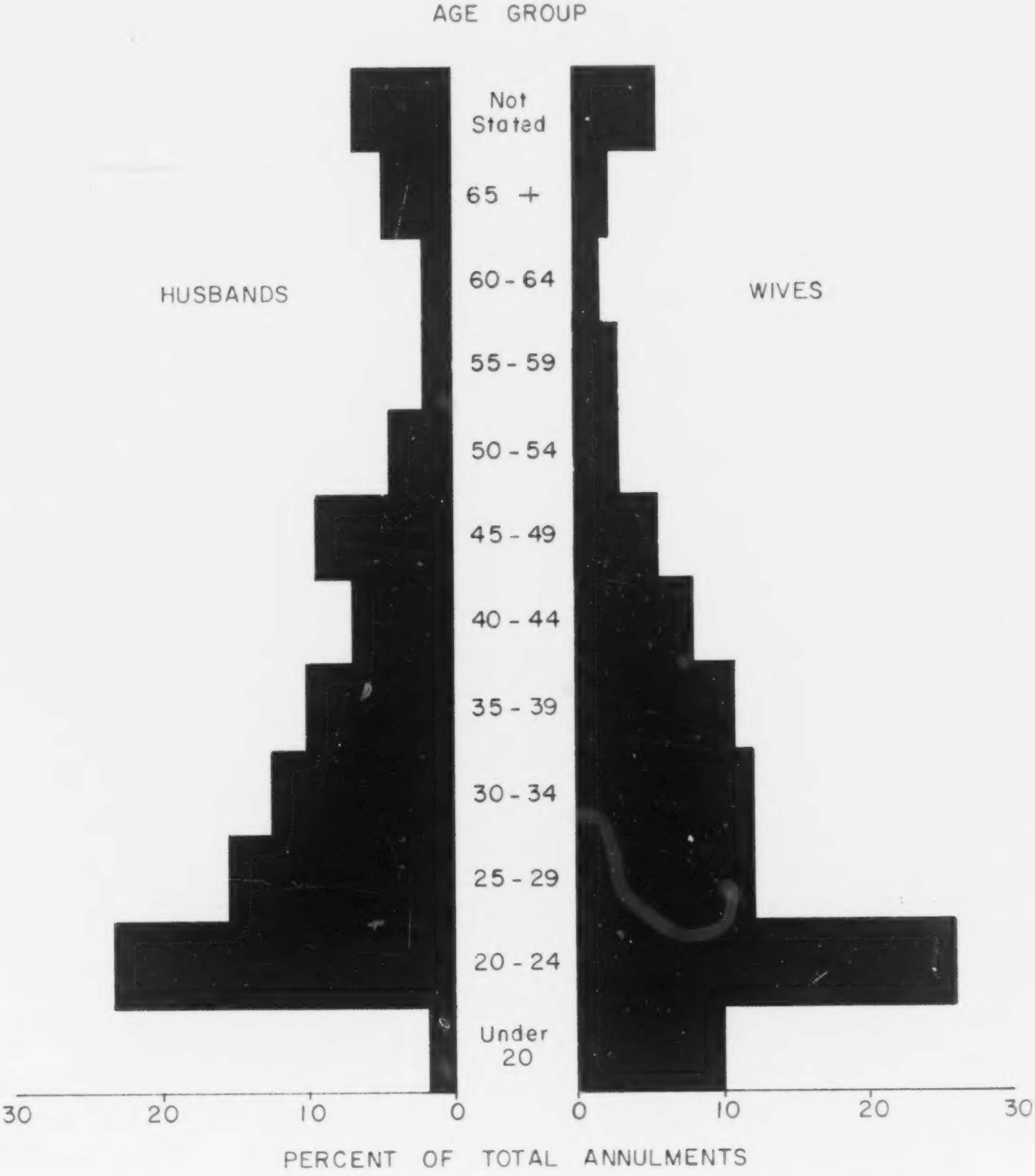
The number of annulments increased from 65 in 1952 to 231 in 1980. The annulment rate per thousand population fluctuated very little, remaining between 0.03 and 0.12 during that time period.

Ages of Spouses

As shown in Figure 22, the most common age groups involved in divorces were those from 20 to 24 and 25 to 29, with the incidence decreasing with the older age groups. For wives, the most prevalent age group was 20-24 years of age, which accounted for 24.4 percent of all newly divorced women; whereas for men the 25-29 year age group was the most prevalent and accounted for 24.0 percent of all newly divorced men. The average age of wives who were divorced was 30.9; that of husbands was 33.6.

The ages between 20 and 24 were the most prevalent ages during which annulments were granted to husbands and wives in 1980. The average age of wives of annulled marriages was 32.2, while that of husbands was 35.4. Illustrated in Figure 23, is the percent distribution of annulments by husbands' and wives' ages.

ANNULMENTS: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1980



Occurrence data.

Figure 23

Duration of Marriage

Over half, 54.3 percent, of the marriages dissolved in 1980 were terminated before the sixth year of marriage as outlined in Table 19. Marriages ending in divorce lasted an average of 7.7 years. Couples who received annulments had been married an average of 1.3 years.

Table 19
Divorces and Annulments
By Duration of Marriage in Years
Kansas, 1980

Duration of Marriage	Total Divorces and Annulments	Divorces	Annulments
Total	13,410	13,179	231
Under 1 year	1,089	942	147
1 year	1,485	1,438	47
2 years	1,414	1,401	13
3 years	1,277	1,269	8
4 years	1,102	1,099	3
5 years	913	908	5
6 years	775	773	2
7 years	623	623	-
8 years	557	554	3
9 years	446	446	-
10 years	443	443	-
11 years	393	392	1
12 years	330	330	-
13 years	269	268	1
14 years	212	212	-
15 years	235	235	-
16 years	193	193	-
17 years	187	187	-
18 years	151	151	-
19 years	150	150	-
20-24 years	543	543	-
25-29 years	312	312	-
30-34 years	170	170	-
35-39 years	66	66	-
40 years & over	43	43	-
Not Stated	32	31	1

Occurrence data.

Number of Minor Children

As shown in Table 20, 13,326 minor children were involved in the 13,410 divorces and annulments in 1980. At least one minor child was reported in over half, 56.9 percent, of the marriages ending in divorce. Six percent (5.7) of the annulments involved minor children.

Table 20
Divorces and Annulments by Number and Percent
By Number of Minor Children
Kansas, 1980

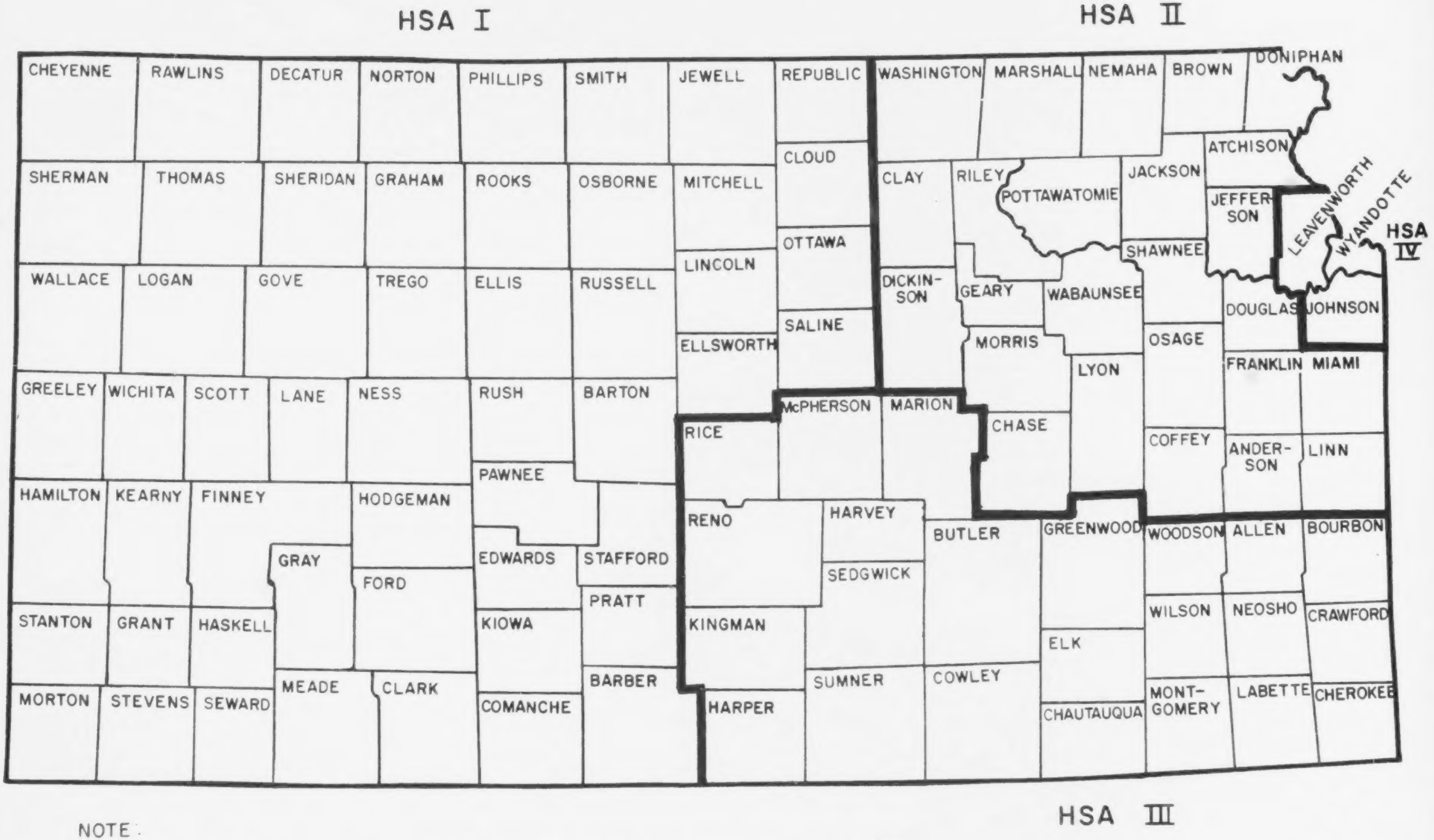
Number of Minor Children Reported	Divorces		Annulments		Total Children
	Number	Percent	Number	Percent	Number*
Total	13,179	100.0	231	100.0	13,326
None	5,645	42.8	211	91.3	-
1	3,373	25.6	10	4.4	3,383
2	2,848	21.6	2	0.9	5,700
3	964	7.3	1	0.4	2,895
4 or More	311	2.4	-	-	1,348
Not Stated	38	0.3	7	3.0	n/a

Occurrence data.

*This represents the number of children reported in marriages ending in divorce or annulment.

APPENDIX

HEALTH SERVICE AREAS*
KANSAS


HSA I
HSA II
HSA III
HSA IV
CHEYENNE
RAWLINS
DECATUR
NORTON
PHILLIPS
SMITH
JEWELL
REPUBLIC
WASHINGTON
MARSHALL
NEMAHA
BROWN
DONIPHAN
SHERMAN
THOMAS
SHERIDAN
GRAHAM
ROOKS
OSBORNE
MITCHELL
CLOUD
CLAY
RILEY
POTTAWATOMIE
JACKSON
ATCHISON
JEFFERSON
LEAVENWORTH
WYANDOTTE
WALLACE
LOGAN
GOVE
TREGO
ELLIS
RUSSELL
LINCOLN
OTTAWA
DICKINSON
GEARY
WABAUNSEE
SHAWNEE
DOUGLAS
JOHNSON
ELLSWORTH
SALINE
MORRIS
OSAGE
LYON
FRANKLIN
MIAMI
GREELEY
WICHITA
SCOTT
LANE
NESS
RUSH
BARTON
RICE
McPHERSON
MARION
CHASE
COFFEY
ANDERSON
LINN
HAMILTON
KEARNY
FINNEY
HODGEMAN
PAWNEE
RENO
HARVEY
BUTLER
GREENWOOD
WOODSON
ALLEN
BOURBON
GRAY
FORD
EDWARDS
STAFFORD
SEDGWICK
PRATT
STANTON
GRANT
HASKELL
KIOWA
KINGMAN
WILSON
NEOSHO
CRAWFORD
ELK
MORTON
STEVENS
SEWARD
MEADE
CLARK
COMANCHE
BARBER
HARPER
SUMNER
COWLEY
CHAUTAUQUA
MONTGOMERY
LABETTE
CHEROKEE

NOTE:

HSA IV includes Cass, Clay, Jackson, Platte and Ray counties in Missouri.

*Current Health Service Area alignment was effective April 11, 1977

Figure 24

Table 21
Vital Statistics by Health Service Area
Kansas, 1980

Vital Statistic	Kansas	HSA I	HSA II	HSA III	HSA IV
Population..............	2,363,208	418,579	596,423	850,793	497,413
Population Density......	28.9	9.1	36.9	46.2	454.7
Live Births.............	40,686	7,363	10,184	14,808	8,331
Birth Rate............	17.2	17.6	17.1	17.4	16.7
Premature Births........	2,363	372	536	920	535
Premature Birth Ratio.	5.8	5.1	5.3	6.2	6.4
Out-of-Wedlock Births...	4,979	624	1,097	1,878	1,380
Out-of-Wedlock Birth Ratio...............	12.2	8.5	10.8	12.7	16.6
Induced Abortions.......	7,038	541	2,015	2,078	2,404
Abortion Ratio........	173.0	73.5	197.9	140.3	288.6
Fetal Deaths............	340	74	77	118	71
Fetal Death Rate......	8.3	10.0	7.5	7.9	8.5
Hebdomadal Deaths.......	226	40	50	81	55
Perinatal Deaths........	566	114	127	199	126
Infant Deaths...........	412	65	95	155	97
Maternal Deaths.........	4	1	1	-	2
Deaths (Total)..........	21,910	4,293	5,457	8,444	3,716
Death Rate............	9.3	10.3	9.1	9.9	7.5
Marriages...............	24,847	4,623	6,294	9,302	4,628
Marriage Rate.........	10.5	11.0	10.6	10.9	9.3
Divorces and Annulments.	13,410	2,014	3,206	5,909	2,281
Divorce and Annulment Rate................	5.7	4.8	5.4	6.9	4.6

Residence data are presented for births, deaths and abortions.
Occurrence data are presented for marriages, divorces and annulments.

Table 22
Selected Causes of Death by Health Service Area
Kansas, 1980

Cause of Death (ICD Code)	Kansas		HSA I		HSA II		HSA III		HSA IV	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Causes........................	21,910	927.1	4,293	1025.6	5,457	915.0	8,444	992.5	3,716	747.1
Tuberculosis, all forms (010-018).......................	8	0.3	-	-	1	0.2	6	0.7	1	0.2
Septicemia (038)...........................	75	3.2	12	2.9	19	3.2	17	2.0	27	5.4
Malignant Neoplasms (140-208).......................	4,185	177.1	802	191.6	993	166.5	1,627	191.2	763	153.4
Diabetes Mellitus (250)...........................	363	15.4	71	17.0	82	13.7	146	17.2	64	12.9
Heart Disease (390-398, 402, 404-429)..........	8,369	354.1	1,739	415.5	2,081	348.9	3,245	381.4	1,304	262.2
Hypertension (401, 403)......................	81	3.4	18	4.3	19	3.2	36	4.2	8	1.6
Cerebrovasular Disease (430-438).......................	2,006	84.9	386	92.2	498	83.5	825	97.0	297	59.7
Atherosclerosis (440)...........................	452	19.1	99	23.7	168	28.2	140	16.5	45	9.0
Pneumonia and Influenza (480-487).......................	756	32.0	157	37.5	214	35.9	276	32.4	109	21.9
Emphysema (492)...........................	134	5.7	40	9.6	28	4.7	49	5.8	17	3.4
Ulcer of Stomach and Duodenum (531-533).......................	74	3.1	14	3.3	18	3.0	21	2.5	21	4.2
Chronic Liver Disease and Cirrhosis (571)...........................	207	8.8	46	11.0	41	6.9	76	8.9	44	8.8
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)..............	208	8.8	38	9.1	47	7.9	79	9.3	44	8.8
Congenital Anomalies (740-759).......................	153	6.5	34	8.1	29	4.9	55	6.5	35	7.0
Certain Conditions Originating in the Perinatal Period (760-779).......................	197	8.3	26	6.2	48	8.0	73	8.6	50	10.1
Motor-Vehicle Accidents (E810-E825).....................	629	26.6	125	29.9	161	27.0	248	29.1	95	19.1
Nonmotor-Vehicle Accidents (E800-E807, E826-E949)...........	694	29.4	132	31.5	185	31.0	247	29.0	130	26.1
Suicide (E950-E959).....................	257	10.9	53	12.7	54	9.1	97	11.4	53	10.7
Homicide (E960-E969).....................	174	7.4	18	4.3	35	5.9	64	7.5	57	11.5
All Other Causes (residual)......................	2,888	122.2	483	115.4	736	123.4	1,117	131.3	552	111.0

Residence data.

Table 23
Population by County
Kansas, 1976-1980

County of Residence	Year				
	1976	1977	1978	1979	1980
Kansas..................	2,327,471	2,341,261	2,359,262	2,362,075	2,363,208
Allen...................	15,822	15,668	16,019	16,104	15,654
Anderson................	8,414	8,314	8,332	8,597	8,749
Atchison................	20,752	21,494	20,562	17,686	18,397
Barber..................	6,882	6,659	6,614	6,515	6,548
Barton..................	36,289	37,090	37,881	31,934	31,343
Bourbon.................	15,847	16,750	16,613	16,003	15,969
Brown...................	12,994	12,956	12,658	11,699	11,955
Butler..................	40,909	42,140	44,211	43,687	44,782
Chase...................	3,525	3,406	3,343	3,511	3,309
Chautauqua..............	5,050	5,046	5,056	4,649	5,016
Cherokee................	23,073	22,507	23,789	21,628	22,304
Cheyenne................	4,097	4,016	3,976	3,928	3,678
Clark...................	2,859	2,757	2,716	2,858	2,599
Clay....................	10,134	10,035	10,015	10,134	9,802
Cloud...................	14,090	14,076	13,850	12,738	12,494
Coffey..................	7,875	8,016	8,094	8,743	9,370
Comanche................	2,796	2,854	2,685	2,756	2,554
Cowley..................	35,125	35,381	35,304	35,010	36,824
Crawford................	37,991	37,934	38,233	37,373	37,916
Decatur.................	5,006	4,933	4,880	5,072	4,509
Dickinson...............	22,134	22,570	22,687	20,993	20,175
Doniphan................	10,030	10,015	9,728	9,016	9,268
Douglas.................	60,592	62,842	65,852	67,715	67,640
Edwards.................	4,612	4,456	4,385	4,564	4,271
Elk.....................	4,055	4,004	4,011	3,968	3,918
Ellis...................	24,480	25,108	25,528	27,258	26,098
Ellsworth...............	7,171	7,288	7,104	6,334	6,640
Finney..................	25,190	26,195	28,757	24,635	23,825
Ford....................	24,667	25,009	25,015	24,199	24,315
Franklin................	20,798	21,280	21,399	20,960	21,813
Geary...................	25,058	23,415	23,275	29,368	29,852
Gove....................	3,981	3,985	3,922	3,970	3,726
Graham..................	4,582	4,498	4,488	4,246	3,995
Grant...................	7,198	7,342	7,253	7,582	6,977
Gray....................	5,162	5,231	5,165	5,445	5,138
Greeley.................	2,272	2,198	2,091	1,886	1,845
Greenwood...............	9,114	9,091	8,916	9,402	8,764
Hamilton................	3,124	3,139	3,075	2,987	2,514
Harper..................	8,014	8,029	8,021	7,930	7,778
Harvey..................	29,154	28,890	28,748	29,981	30,531
Haskell.................	4,183	4,193	4,117	4,245	3,814
Hodgeman................	2,696	2,650	2,578	2,555	2,269
Jackson.................	11,478	11,651	11,609	12,317	11,644
Jefferson...............	13,276	13,943	14,119	14,711	15,207
Jewell..................	5,919	5,859	5,794	5,735	5,241
Johnson.................	243,938	250,947	256,259	267,254	270,269
Kearny..................	3,336	3,399	3,455	3,809	3,435
Kingman.................	10,054	10,070	9,758	8,998	8,960
Kiowa...................	4,161	4,256	4,161	4,170	4,046
Labette.................	24,556	25,092	24,985	25,543	25,682
Lane....................	2,835	2,857	2,790	2,687	2,472
Leavenworth.............	51,267	51,765	52,354	55,221	54,809
Lincoln.................	4,796	4,749	4,629	4,556	4,145
Linn....................	8,262	8,300	8,515	8,864	8,234
Logan...................	3,899	3,778	3,656	3,670	3,478

Table 23 (cont.)
Population by County
Kansas, 1976-1980

County of Residence	Year				
	1976	1977	1978	1979	1980
Lyon	32,841	34,277	36,192	34,535	35,108
Marion	16,139	16,518	16,219	13,289	13,522
Marshall	13,936	13,568	13,427	13,674	12,720
McPherson	25,458	25,783	26,045	26,243	26,855
Meade	5,070	5,088	5,023	5,187	4,788
Miami	20,562	21,234	21,934	22,371	21,618
Mitchell	8,100	8,046	8,122	8,121	8,117
Montgomery	43,010	43,493	43,948	40,538	42,281
Morris	6,958	6,885	6,773	6,935	6,419
Morton	3,510	3,492	3,464	3,641	3,454
Nemaha	12,112	12,082	12,001	11,456	11,211
Neosho	17,726	17,862	18,245	18,770	18,967
Ness	4,541	4,799	4,689	4,735	4,498
Norton	7,099	7,097	7,273	6,602	6,689
Osage	13,614	13,798	14,261	14,698	15,319
Osborne	6,351	6,323	6,239	6,349	5,959
Ottawa	6,387	6,373	6,330	6,416	5,971
Pawnee	8,026	7,970	7,825	8,492	8,065
Phillips	8,260	8,330	8,009	7,802	7,406
Pottawatomie	13,439	13,693	14,376	14,284	14,782
Pratt	9,722	9,792	9,752	10,216	10,275
Rawlins	4,321	4,257	4,166	4,278	4,105
Reno	65,276	65,092	65,548	64,181	64,983
Republic	8,350	8,267	8,165	7,531	7,569
Rice	11,700	12,006	11,940	12,380	11,900
Riley	41,799	41,983	41,827	67,463	63,505
Rooks	7,471	7,281	7,398	7,321	7,006
Rush	5,227	5,115	4,957	4,861	4,516
Russell	9,661	9,484	9,404	9,097	8,868
Saline	49,948	48,473	47,318	50,789	48,905
Scott	6,725	6,933	6,624	6,234	5,782
Sedgwick	342,403	341,660	341,881	352,081	366,531
Seward	16,683	17,094	17,332	17,223	17,071
Shawnee	174,819	177,960	180,034	158,229	154,916
Sheridan	3,735	3,820	3,843	3,995	3,544
Sherman	8,473	8,518	8,130	8,135	7,759
Smith	6,500	6,529	6,431	6,439	5,947
Stafford	6,204	6,140	6,185	6,393	5,539
Stanton	2,646	2,740	2,495	2,738	2,339
Stevens	4,511	4,754	4,728	4,987	4,736
Sumner	23,975	24,166	24,371	24,396	24,928
Thomas	8,123	8,335	8,225	8,742	8,451
Trego	4,496	4,543	4,433	4,531	4,165
Wabaunsee	6,711	6,816	6,771	7,093	6,867
Wallace	2,246	2,269	2,232	2,142	2,045
Washington	9,131	9,065	9,056	9,045	8,543
Wichita	3,641	3,471	3,369	3,360	3,041
Wilson	12,992	12,380	13,205	12,058	12,128
Woodson	4,709	4,700	4,713	4,154	4,600
Wyandotte	186,560	180,781	181,304	170,446	172,335

Sources: Kansas Board of Agriculture/County Appraisers (1976-1978)
Bureau of Registration and Health Statistics (1979)
U.S. Bureau of the Census (1980)

Table 24
Live Births by Number and Rate
By County of Residence
Kansas, 1976-1980

County of Residence	Year									
	1976		1977		1978		1979		1980	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas.........	35,278	15.2	36,827	15.7	36,581	15.5	38,916	16.5	40,686	17.2
Allen..........	203	12.8	265	16.9	228	14.2	256	15.9	273	17.4
Anderson.......	113	13.4	118	14.2	133	16.0	110	12.8	147	16.8
Atchison.......	277	13.3	275	12.8	287	14.0	275	15.5	270	14.7
Barber.........	87	12.6	94	14.1	84	12.7	112	17.2	106	16.2
Barton.........	470	13.0	496	13.4	544	14.4	522	16.3	544	17.4
Bourbon........	205	12.9	233	13.9	223	13.4	245	15.3	259	16.2
Brown..........	167	12.9	177	13.7	196	15.5	201	17.2	188	15.7
Butler.........	589	14.4	623	14.8	688	15.6	641	14.7	753	16.8
Chase..........	39	11.1	34	10.0	47	14.1	48	13.7	44	13.3
Chautauqua.....	43	8.5	43	8.5	41	8.1	63	13.6	63	12.6
Cherokee.......	280	12.1	305	13.6	303	12.7	326	15.1	306	13.7
Cheyenne.......	43	10.5	56	13.9	54	13.6	45	11.5	44	12.0
Clark..........	27	9.4	26	9.4	23	8.5	30	10.5	30	11.5
Clay...........	132	13.0	133	13.3	151	15.1	146	14.4	145	14.8
Cloud..........	141	10.0	184	13.1	169	12.2	170	13.3	177	14.2
Coffey.........	88	11.2	112	14.0	115	14.2	174	19.9	161	17.2
Comanche.......	30	10.7	24	8.4	24	8.9	38	13.8	39	15.3
Cowley.........	461	13.1	513	14.5	526	14.9	568	16.2	599	16.3
Crawford.......	486	12.8	480	12.7	447	11.7	537	14.4	538	14.2
Decatur........	71	14.2	53	10.7	55	11.3	74	14.6	60	13.3
Dickinson......	295	13.3	302	13.4	301	13.3	294	14.0	251	12.4
Doniphan.......	142	14.2	125	12.5	135	13.9	143	15.9	181	19.5
Douglas........	797	13.2	807	12.8	891	13.5	899	13.3	964	14.3
Edwards........	69	15.0	70	15.7	60	13.7	65	14.2	61	14.3
Elk............	33	8.1	47	11.7	34	8.5	63	15.9	36	9.2
Ellis..........	444	18.1	441	17.6	492	19.3	447	16.4	480	18.4
Ellsworth......	76	10.6	81	11.1	80	11.3	105	16.6	101	15.2
Finney.........	525	20.8	494	18.9	501	17.4	541	22.0	590	24.8
Ford...........	420	17.0	428	17.1	425	17.0	453	18.7	509	20.9
Franklin.......	302	14.5	348	16.4	297	13.9	348	16.6	325	14.9
Geary..........	1,140	45.5	1,318	56.3	1,328	57.1	1,282	43.7	1,272	42.6
Gove...........	52	13.1	55	13.8	82	20.9	60	15.1	60	16.1
Graham.........	52	11.3	70	15.6	64	14.3	58	13.7	58	14.5
Grant..........	159	22.1	158	21.5	178	24.5	156	20.6	180	25.8
Gray...........	115	22.3	117	22.4	93	18.0	86	15.8	100	19.5
Greeley........	33	14.5	45	20.5	30	14.3	46	24.4	42	22.8
Greenwood......	112	12.3	123	13.5	107	12.0	102	10.8	109	12.4
Hamilton.......	50	16.0	27	8.6	35	11.4	34	11.4	36	14.3
Harper.........	96	12.0	107	13.3	78	9.7	102	12.9	116	14.9
Harvey.........	444	15.2	426	14.7	443	15.4	461	15.4	531	17.4
Haskell........	89	21.3	91	21.7	91	22.1	84	19.8	97	25.4
Hodgeman.......	39	14.5	32	12.1	29	11.2	35	13.7	37	16.3
Jackson........	161	14.0	208	17.9	167	14.4	211	17.1	176	15.1
Jefferson......	190	14.3	208	14.9	202	14.3	224	15.2	252	16.6
Jewell.........	64	10.8	88	15.0	75	12.9	81	14.1	66	12.6
Johnson........	3,300	13.5	3,625	14.4	3,560	13.9	3,898	14.6	4,032	14.9
Kearny.........	76	22.8	72	21.2	81	23.4	67	17.6	79	23.0
Kingman........	134	13.3	121	12.0	117	12.0	131	14.6	136	15.2
Kiowa..........	70	16.8	63	14.8	56	13.5	55	13.2	70	17.3
Labette........	338	13.8	370	14.7	352	14.1	376	14.7	427	16.6
Lane...........	38	13.4	49	17.2	41	14.7	41	15.3	40	16.2
Leavenworth....	736	14.4	725	14.0	785	15.0	760	13.8	777	14.2
Lincoln........	78	16.3	43	9.1	60	13.0	60	13.2	51	12.3
Linn...........	119	14.4	119	14.3	105	12.3	127	14.3	126	15.3
Logan..........	60	15.4	60	15.9	58	15.9	66	18.0	60	17.3

Table 24 (cont.)
Live Births by Number and Rate
By County of Residence
Kansas, 1976-1980

County of Residence	Year									
	1976		1977		1978		1979		1980	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon............	520	15.8	570	16.6	575	15.9	628	18.2	653	18.6
Marion..........	130	8.1	151	9.1	175	10.8	167	12.6	171	12.6
Marshall........	160	11.5	194	14.3	185	13.8	177	12.9	193	15.2
McPherson.......	379	14.9	381	14.8	400	15.4	419	16.0	422	15.7
Meade...........	62	12.2	79	15.5	73	14.5	92	17.7	83	17.3
Miami...........	294	14.3	326	15.4	295	13.4	315	14.1	321	14.8
Mitchell........	137	16.9	130	16.2	118	14.5	131	16.1	134	16.5
Montgomery......	570	13.3	620	14.3	611	13.9	672	16.6	703	16.6
Morris..........	100	14.4	90	13.1	78	11.5	104	15.0	77	12.0
Morton..........	71	20.2	72	20.6	48	13.9	60	16.5	70	20.3
Nemaha..........	159	13.1	189	15.6	174	14.5	193	16.8	190	16.9
Neosho..........	279	15.7	282	15.8	279	15.3	269	14.3	291	15.3
Ness............	64	14.1	71	14.8	75	16.0	83	17.5	82	18.2
Norton..........	73	10.3	93	13.1	72	9.9	84	12.7	95	14.2
Osage...........	195	14.3	214	15.5	183	12.8	238	16.2	235	15.3
Osborne.........	81	12.8	78	12.3	63	10.1	88	13.9	77	12.9
Ottawa..........	70	11.0	83	13.0	76	12.0	87	13.6	87	14.6
Pawnee..........	105	13.1	138	17.3	109	13.9	112	13.2	135	16.7
Phillips........	123	14.9	91	10.9	92	11.5	110	14.1	106	14.3
Pottawatomie....	209	15.6	241	17.6	258	17.9	258	18.1	273	18.5
Pratt...........	142	14.6	144	14.7	164	16.8	149	14.6	182	17.7
Rawlins.........	57	13.2	64	15.0	62	14.9	60	14.0	66	16.1
Reno............	886	13.6	999	15.3	1,002	15.3	968	15.1	1,114	17.1
Republic........	96	11.5	107	12.9	74	9.1	97	12.9	96	12.7
Rice............	175	15.0	190	15.8	187	15.7	186	15.0	183	15.4
Riley...........	999	23.9	886	21.1	863	20.6	899	13.3	944	14.9
Rooks...........	92	12.3	122	16.8	111	15.0	110	15.0	112	16.0
Rush............	56	10.7	60	11.7	55	11.1	61	12.5	71	15.7
Russell.........	114	11.8	118	12.4	120	12.8	139	15.3	132	14.9
Saline..........	714	14.3	738	15.2	742	15.7	745	14.7	813	16.6
Scott...........	110	16.4	106	15.3	107	16.2	100	16.0	95	16.4
Sedgwick........	6,138	17.9	6,138	18.0	6,031	17.6	6,735	19.1	7,094	19.4
Seward..........	332	19.9	344	20.1	345	19.9	357	20.7	404	23.7
Shawnee.........	2,205	12.6	2,297	12.9	2,319	12.9	2,508	15.9	2,588	16.7
Sheridan........	66	17.7	62	16.2	64	16.7	60	15.0	60	16.9
Sherman.........	169	19.9	147	17.3	131	16.1	127	15.6	138	17.8
Smith...........	79	12.2	79	12.1	85	13.2	71	11.0	79	13.3
Stafford........	64	10.3	76	12.4	86	13.9	86	13.5	74	13.4
Stanton.........	51	19.3	58	21.2	35	14.0	52	19.0	54	23.1
Stevens.........	82	18.2	92	19.4	90	19.0	107	21.5	89	18.8
Sumner..........	346	14.4	365	15.1	342	14.0	393	16.1	432	17.3
Thomas..........	136	16.7	158	19.0	149	18.1	164	18.8	146	17.3
Trego...........	60	13.3	62	13.6	62	14.0	67	14.8	63	15.1
Wabaunsee.......	81	12.1	79	11.6	94	13.9	101	14.2	95	13.8
Wallace.........	33	14.7	40	17.6	38	17.0	37	17.3	41	20.0
Washington......	124	13.6	103	11.4	126	13.9	126	13.9	113	13.2
Wichita.........	89	24.4	77	22.2	71	21.1	58	17.3	62	20.4
Wilson..........	167	12.9	176	14.2	167	12.6	197	16.3	180	14.8
Woodson.........	53	11.3	60	12.8	56	11.9	62	14.9	72	15.7
Wyandotte.......	2,981	16.0	3,080	17.0	3,093	17.1	3,265	19.2	3,522	20.4

Table 25
Live Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1980

County of Residence	Total	Age Group of Mother									
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	N.S.
Kansas........	40,686	59	6,025	15,089	12,761	5,375	1,164	198	13	1	1
Allen.........	273	-	52	112	68	34	7	-	-	-	-
Anderson......	147	-	26	55	44	15	6	1	-	-	-
Atchison......	270	-	53	108	67	30	7	5	-	-	-
Barber........	106	-	16	39	34	14	3	-	-	-	-
Barton........	544	-	67	230	182	48	15	2	-	-	-
Bourbon.......	259	-	51	77	84	37	10	-	-	-	-
Brown.........	188	-	30	79	51	27	1	-	-	-	-
Butler........	753	-	125	267	229	106	23	3	-	-	-
Chase.........	44	-	9	19	7	7	2	-	-	-	-
Chautauqua....	63	-	13	19	23	5	2	1	-	-	-
Cherokee......	306	-	66	132	75	22	10	1	-	-	-
Cheyenne......	44	-	5	17	14	6	2	-	-	-	-
Clark.........	30	-	4	9	14	1	2	-	-	-	-
Clay..........	145	-	20	53	46	19	5	2	-	-	-
Cloud.........	177	-	30	59	55	31	2	-	-	-	-
Coffey........	161	-	25	65	53	15	3	-	-	-	-
Comanche......	39	-	6	14	12	5	1	1	-	-	-
Cowley........	599	1	109	236	168	69	13	3	-	-	-
Crawford......	538	-	96	202	153	65	20	2	-	-	-
Decatur.......	60	-	6	27	21	5	1	-	-	-	-
Dickinson.....	251	-	38	87	75	41	6	4	-	-	-
Doniphan......	181	1	28	67	53	24	8	-	-	-	-
Douglas.......	964	-	105	302	365	161	27	4	-	-	-
Edwards.......	61	-	4	25	22	10	-	-	-	-	-
Elk...........	36	-	11	17	5	2	1	-	-	-	-
Ellis.........	480	-	47	175	179	67	12	-	-	-	-
Ellsworth.....	101	-	19	37	22	21	2	-	-	-	-
Finney........	590	-	123	208	177	68	12	2	-	-	-
Ford..........	509	2	74	217	137	58	16	4	1	-	-
Franklin......	325	-	50	131	96	34	13	1	-	-	-
Geary.........	1,272	4	264	620	275	93	15	-	-	-	1
Gove..........	60	-	6	27	16	8	2	1	-	-	-
Graham........	58	-	9	21	17	9	2	-	-	-	-
Grant.........	180	-	34	68	49	21	8	-	-	-	-
Gray..........	100	-	13	36	32	14	5	-	-	-	-
Greeley.......	42	-	2	25	10	4	1	-	-	-	-
Greenwood.....	109	-	27	42	24	14	2	-	-	-	-
Hamilton......	36	-	3	18	12	1	1	1	-	-	-
Harper........	116	-	18	41	38	13	4	2	-	-	-
Harvey........	531	-	77	190	183	63	17	-	1	-	-
Haskell.......	97	-	8	42	29	13	5	-	-	-	-
Hodgeman......	37	-	8	13	9	6	1	-	-	-	-
Jackson.......	176	-	19	77	51	22	6	1	-	-	-
Jefferson.....	252	-	30	83	83	37	17	2	-	-	-
Jewell........	66	-	6	27	21	12	-	-	-	-	-
Johnson.......	4,032	4	283	1,009	1,598	946	163	28	1	-	-
Kearny........	79	-	16	30	22	9	2	-	-	-	-
Kingman.......	136	1	21	50	36	21	6	1	-	-	-
Kiowa.........	70	-	7	26	28	7	2	-	-	-	-
Labette.......	427	-	76	158	135	45	11	2	-	-	-
Lane..........	40	-	8	13	15	3	1	-	-	-	-
Leavenworth...	777	1	123	274	210	127	38	4	-	-	-
Lincoln.......	51	-	6	20	14	9	1	1	-	-	-
Linn..........	126	-	23	47	38	13	4	1	-	-	-
Logan.........	60	1	9	21	19	9	1	-	-	-	-

Table 25 (cont.)
Live Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1980

County of Residence	Total	Age Group of Mother									
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	N.S.
Lyon.........	653	-	72	233	249	85	11	3	-	-	-
Marion.......	171	-	19	55	61	31	3	2	-	-	-
Marshall.....	193	-	30	73	53	26	10	1	-	-	-
McPherson....	422	-	26	163	158	61	7	7	-	-	-
Meade........	83	-	12	39	23	9	-	-	-	-	-
Miami........	321	-	54	117	92	39	17	2	-	-	-
Mitchell.....	134	-	13	48	46	20	7	-	-	-	-
Montgomery...	703	1	106	292	194	93	14	3	-	-	-
Morris.......	77	-	19	24	25	6	1	2	-	-	-
Morton.......	70	-	9	33	15	9	2	2	-	-	-
Nemaha.......	190	-	16	68	70	25	9	2	-	-	-
Neosho.......	291	-	45	119	84	33	6	4	-	-	-
Ness.........	82	-	10	36	24	8	4	-	-	-	-
Norton.......	95	-	11	33	30	18	2	1	-	-	-
Osage........	235	-	38	91	79	21	4	1	1	-	-
Osborne......	77	1	8	28	27	8	4	1	-	-	-
Ottawa.......	87	-	13	35	31	7	1	-	-	-	-
Pawnee.......	135	-	19	51	48	15	2	-	-	-	-
Phillips.....	106	-	10	49	34	12	1	-	-	-	-
Pottawatomie.	273	-	26	100	95	45	7	-	-	-	-
Pratt........	182	-	18	78	65	18	3	-	-	-	-
Rawlins......	66	-	8	27	27	2	2	-	-	-	-
Reno.........	1,114	1	170	432	356	124	25	4	1	1	-
Republic.....	96	-	12	39	34	7	3	1	-	-	-
Rice.........	183	1	26	65	58	29	3	1	-	-	-
Riley........	944	1	133	356	304	124	22	4	-	-	-
Rooks........	112	-	18	53	27	9	4	1	-	-	-
Rush.........	71	-	7	32	19	9	4	-	-	-	-
Russell......	132	-	25	58	34	10	5	-	-	-	-
Saline.......	813	-	102	318	277	96	19	1	-	-	-
Scott........	95	-	13	45	29	5	2	1	-	-	-
Sedgwick.....	7,094	10	1,100	2,718	2,195	852	187	30	2	-	-
Seward.......	404	-	93	181	86	34	7	1	2	-	-
Shawnee......	2,588	5	369	915	875	351	67	6	-	-	-
Sheridan.....	60	-	5	25	21	7	2	-	-	-	-
Sherman......	138	-	35	38	37	19	6	3	-	-	-
Smith........	79	-	10	32	24	10	2	1	-	-	-
Stafford.....	74	1	6	28	27	8	4	-	-	-	-
Stanton......	54	-	11	18	15	8	2	-	-	-	-
Stevens......	89	-	13	37	31	6	2	-	-	-	-
Sumner.......	432	-	58	175	135	50	10	4	-	-	-
Thomas.......	146	-	19	50	54	16	6	1	-	-	-
Trego........	63	-	7	21	29	5	1	-	-	-	-
Wabaunsee....	95	-	13	25	30	19	7	1	-	-	-
Wallace......	41	-	6	12	14	5	4	-	-	-	-
Washington...	113	-	14	41	38	17	2	1	-	-	-
Wichita......	62	-	10	17	20	8	3	3	1	-	-
Wilson.......	180	-	20	76	52	28	2	2	-	-	-
Woodson......	72	1	14	20	27	6	3	1	-	-	-
Wyandotte....	3,522	22	730	1,407	888	356	96	20	3	-	-

Table 26
Out-of-Wedlock Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1980

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-59	N.S.
Kansas..........	4,979	55	2,234	1,854	547	213	61	15	-	-
Allen...........	25	-	15	7	3	-	-	-	-	-
Anderson........	13	-	7	4	1	1	-	-	-	-
Atchison........	46	-	20	19	6	1	-	-	-	-
Barber..........	4	-	1	1	1	1	-	-	-	-
Barton..........	53	-	23	23	5	2	-	-	-	-
Bourbon.........	19	-	13	6	-	-	-	-	-	-
Brown...........	24	-	11	9	2	2	-	-	-	-
Butler..........	60	-	30	24	1	5	-	-	-	-
Chase...........	4	-	2	2	-	-	-	-	-	-
Chautauqua......	5	-	2	2	1	-	-	-	-	-
Cherokee........	30	-	13	13	1	-	3	-	-	-
Cheyenne........	1	-	1	-	-	-	-	-	-	-
Clark...........	3	-	3	-	-	-	-	-	-	-
Clay............	6	-	1	1	2	1	-	1	-	-
Cloud...........	16	-	8	5	2	1	-	-	-	-
Coffey..........	6	-	2	3	1	-	-	-	-	-
Comanche........	-	-	-	-	-	-	-	-	-	-
Cowley..........	63	-	25	23	7	6	1	1	-	-
Crawford........	55	-	29	15	6	5	-	-	-	-
Decatur.........	4	-	1	3	-	-	-	-	-	-
Dickinson.......	21	-	9	5	4	3	-	-	-	-
Doniphan........	18	1	6	7	1	2	1	-	-	-
Douglas.........	108	-	40	46	9	9	3	1	-	-
Edwards.........	5	-	-	3	2	-	-	-	-	-
Elk.............	3	-	3	-	-	-	-	-	-	-
Ellis...........	35	-	14	17	3	-	1	-	-	-
Ellsworth.......	7	-	6	-	1	-	-	-	-	-
Finney..........	62	-	41	17	4	-	-	-	-	-
Ford............	63	2	25	28	6	1	1	-	-	-
Franklin........	33	-	17	10	3	3	-	-	-	-
Geary...........	136	4	46	64	15	6	1	-	-	-
Gove............	1	-	-	1	-	-	-	-	-	-
Graham..........	3	-	1	2	-	-	-	-	-	-
Grant...........	12	-	11	1	-	-	-	-	-	-
Gray............	5	-	4	1	-	-	-	-	-	-
Greeley.........	1	-	1	-	-	-	-	-	-	-
Greenwood.......	11	-	8	3	-	-	-	-	-	-
Hamilton........	2	-	1	1	-	-	-	-	-	-
Harper..........	7	-	4	3	-	-	-	-	-	-
Harvey..........	40	-	22	14	2	2	-	-	-	-
Haskell.........	5	-	2	2	-	1	-	-	-	-
Hodgeman........	3	-	1	2	-	-	-	-	-	-
Jackson.........	16	-	5	9	1	-	-	1	-	-
Jefferson.......	15	-	10	4	1	-	-	-	-	-
Jewell..........	3	-	1	2	-	-	-	-	-	-
Johnson.........	241	4	104	88	25	15	3	2	-	-
Kearny..........	3	-	3	-	-	-	-	-	-	-
Kingman.........	7	-	4	2	1	-	-	-	-	-
Kiowa...........	8	-	4	3	1	-	-	-	-	-
Labette.........	48	-	25	17	5	1	-	-	-	-
Lane............	3	-	2	1	-	-	-	-	-	-
Leavenworth.....	103	1	52	34	11	3	2	-	-	-
Lincoln.........	3	-	-	2	1	-	-	-	-	-
Linn............	7	-	4	2	1	-	-	-	-	-
Logan...........	4	1	2	1	-	-	-	-	-	-

Table 26 (cont.)
Out-of-Wedlock Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1980

County of Residence	Total	Age Group of Mother								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-59	N.S.
Lyon	61	-	22	29	8	1	1	-	-	-
Marion	12	-	6	5	1	-	-	-	-	-
Marshall	12	-	9	2	-	1	-	-	-	-
McPherson	15	-	6	8	1	-	-	-	-	-
Meade	1	-	-	1	-	-	-	-	-	-
Miami	18	-	7	8	1	1	1	-	-	-
Mitchell	6	-	5	1	-	-	-	-	-	-
Montgomery	85	-	38	32	9	5	1	-	-	-
Morris	7	-	4	-	1	1	-	1	-	-
Morton	7	-	1	4	1	1	-	-	-	-
Nemaha	6	-	3	3	-	-	-	-	-	-
Neosho	23	-	9	10	2	1	1	-	-	-
Ness	5	-	4	1	-	-	-	-	-	-
Norton	6	-	2	1	3	-	-	-	-	-
Osage	20	-	13	3	1	2	-	1	-	-
Osborne	8	1	3	2	2	-	-	-	-	-
Ottawa	6	-	2	3	1	-	-	-	-	-
Pawnee	14	-	8	3	2	1	-	-	-	-
Phillips	3	-	1	1	-	-	1	-	-	-
Pottawatomie	10	-	8	1	1	-	-	-	-	-
Pratt	9	-	6	2	1	-	-	-	-	-
Rawlins	2	-	2	-	-	-	-	-	-	-
Reno	119	1	55	48	10	4	1	-	-	-
Republic	5	-	2	3	-	-	-	-	-	-
Rice	18	1	12	3	2	-	-	-	-	-
Riley	52	1	22	18	8	3	-	-	-	-
Rooks	3	-	1	1	1	-	-	-	-	-
Rush	6	-	3	2	1	-	-	-	-	-
Russell	10	-	5	5	-	-	-	-	-	-
Saline	105	-	40	47	12	3	2	1	-	-
Scott	8	-	5	3	-	-	-	-	-	-
Sedgwick	1,178	10	534	429	142	43	17	3	-	-
Seward	70	-	34	27	4	4	1	-	-	-
Shawnee	448	5	196	167	55	23	2	-	-	-
Sheridan	3	-	1	2	-	-	-	-	-	-
Sherman	15	-	8	5	1	1	-	-	-	-
Smith	3	-	3	-	-	-	-	-	-	-
Stafford	1	1	-	-	-	-	-	-	-	-
Stanton	1	-	-	1	-	-	-	-	-	-
Stevens	2	-	-	1	1	-	-	-	-	-
Sumner	36	-	16	16	2	1	1	-	-	-
Thomas	8	-	6	2	-	-	-	-	-	-
Trego	1	-	1	-	-	-	-	-	-	-
Wabaunsee	4	-	4	-	-	-	-	-	-	-
Wallace	3	-	-	2	-	-	1	-	-	-
Washington	6	-	3	2	-	1	-	-	-	-
Wichita	4	-	1	1	-	-	1	1	-	-
Wilson	15	-	7	7	1	-	-	-	-	-
Woodson	4	-	4	-	-	-	-	-	-	-
Wyandotte	1,036	22	427	390	136	45	14	2	-	-

Table 27
Induced Abortions by Age Group of Patient
By County of Residence
Kansas, 1980

County of Residence	Total	Age Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Kansas..........	7,038	61	2,485	2,469	1,139	541	245	85	7	6
Allen...........	24	-	10	7	6	1	-	-	-	-
Anderson........	17	1	7	3	1	3	2	-	-	-
Atchison........	47	-	19	17	5	1	2	2	-	1
Barber..........	5	-	2	-	3	-	-	-	-	-
Barton..........	75	-	23	36	11	2	3	-	-	-
Bourbon.........	34	-	16	5	7	2	4	-	-	-
Brown...........	24	-	8	6	3	3	4	-	-	-
Butler..........	70	-	26	30	10	1	3	-	-	-
Chase...........	2	-	-	1	-	-	-	1	-	-
Chautauqua......	6	-	3	1	1	1	-	-	-	-
Cherokee........	8	-	4	1	3	-	-	-	-	-
Cheyenne........	-	-	-	-	-	-	-	-	-	-
Clark...........	1	-	-	1	-	-	-	-	-	-
Clay............	12	-	8	2	1	1	-	-	-	-
Cloud...........	16	-	8	4	2	-	-	2	-	-
Coffey..........	8	-	4	2	-	1	-	1	-	-
Comanche........	5	-	3	2	-	-	-	-	-	-
Cowley..........	74	1	29	20	9	8	5	2	-	-
Crawford........	90	1	33	33	13	5	5	-	-	-
Decatur.........	2	-	1	-	1	-	-	-	-	-
Dickinson.......	15	-	5	6	1	2	1	-	-	-
Doniphan........	29	-	15	10	1	2	1	-	-	-
Douglas.........	402	3	115	200	48	21	9	4	-	2
Edwards.........	4	-	3	-	-	1	-	-	-	-
Elk.............	4	-	4	-	-	-	-	-	-	-
Ellis...........	53	-	14	28	9	1	1	-	-	-
Ellsworth.......	3	-	1	-	1	1	-	-	-	-
Finney..........	35	-	11	11	8	4	1	-	-	-
Ford............	28	-	13	9	3	1	1	1	-	-
Franklin........	58	2	22	16	9	8	1	-	-	-
Geary...........	58	1	16	29	6	5	1	-	-	-
Gove............	-	-	-	-	-	-	-	-	-	-
Graham..........	-	-	-	-	-	-	-	-	-	-
Grant...........	3	-	1	2	-	-	-	-	-	-
Gray............	5	-	-	4	-	-	-	1	-	-
Greeley.........	-	-	-	-	-	-	-	-	-	-
Greenwood.......	8	-	4	-	2	-	-	2	-	-
Hamilton........	1	-	-	-	-	-	1	-	-	-
Harper..........	19	-	9	6	2	-	2	-	-	-
Harvey..........	58	1	19	23	11	4	-	-	-	-
Haskell.........	4	-	2	2	-	-	-	-	-	-
Hodgeman........	2	-	2	-	-	-	-	-	-	-
Jackson.........	19	-	9	6	1	2	1	-	-	-
Jefferson.......	35	-	19	7	2	5	2	-	-	-
Jewell..........	3	-	1	1	1	-	-	-	-	-
Johnson.........	1,361	5	484	421	239	126	72	12	2	-
Kearny..........	3	-	1	1	1	-	-	-	-	-
Kingman.........	9	-	4	2	1	1	1	-	-	-
Kiowa...........	3	-	1	1	1	-	-	-	-	-
Labette.........	38	2	15	12	4	4	1	-	-	-
Lane............	-	-	-	-	-	-	-	-	-	-
Leavenworth.....	163	2	65	44	23	16	8	5	-	-
Lincoln.........	4	-	2	2	-	-	-	-	-	-
Linn............	23	-	16	3	2	1	1	-	-	-
Logan...........	1	-	-	-	1	-	-	-	-	-

Table 27 (cont.)
Induced Abortions by Age Group of Patient
By County of Residence
Kansas, 1980

County of Residence	Total	Age Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	N.S.
Lyon.............	112	-	41	57	11	3	-	-	-	-
Marion...........	17	-	13	2	-	1	1	-	-	-
Marshall.........	14	-	5	4	2	1	1	1	-	-
McPherson........	44	-	19	13	4	6	-	2	-	-
Meade............	3	-	1	2	-	-	-	-	-	-
Miami............	55	1	27	16	5	4	2	-	-	-
Mitchell.........	7	-	4	3	-	-	-	-	-	-
Montgomery.......	19	-	13	4	2	-	-	-	-	-
Morris...........	4	-	4	-	-	-	-	-	-	-
Morton...........	2	-	2	-	-	-	-	-	-	-
Nemaha...........	15	1	9	4	1	-	-	-	-	-
Neosho...........	31	-	10	7	6	4	1	3	-	-
Ness.............	3	-	3	-	-	-	-	-	-	-
Norton...........	5	-	3	2	-	-	-	-	-	-
Osage............	35	-	11	15	6	2	1	-	-	-
Osborne..........	4	-	1	2	-	-	-	1	-	-
Ottawa...........	3	-	3	-	-	-	-	-	-	-
Pawnee...........	10	-	3	5	2	-	-	-	-	-
Phillips.........	19	1	3	5	3	2	4	1	-	-
Pottawatomie.....	27	1	10	10	2	1	3	-	-	-
Pratt............	23	-	9	5	2	2	1	3	1	-
Rawlins..........	1	-	-	1	-	-	-	-	-	-
Reno.............	108	6	45	37	11	4	5	-	-	-
Republic.........	4	-	1	1	-	-	2	-	-	-
Rice.............	8	-	3	2	2	-	1	-	-	-
Riley............	280	1	72	139	47	13	6	1	1	-
Rooks............	4	-	3	-	-	-	1	-	-	-
Rush.............	4	-	4	-	-	-	-	-	-	-
Russell..........	9	-	3	1	2	2	-	1	-	-
Saline...........	113	2	46	33	20	7	3	1	-	1
Scott............	6	-	4	2	-	-	-	-	-	-
Sedgwick.........	1,359	10	420	525	251	111	26	13	1	2
Seward...........	31	1	13	6	6	3	1	1	-	-
Shawnee..........	705	5	243	220	140	66	23	7	1	-
Sheridan.........	2	-	1	-	-	-	-	1	-	-
Sherman..........	3	-	1	2	-	-	-	-	-	-
Smith............	7	-	3	2	1	1	-	-	-	-
Stafford.........	3	-	2	1	-	-	-	-	-	-
Stanton..........	3	-	2	-	1	-	-	-	-	-
Stevens..........	3	-	1	-	-	1	-	1	-	-
Sumner...........	33	1	16	4	5	4	1	2	-	-
Thomas...........	4	-	3	-	-	-	-	1	-	-
Trego............	7	-	3	2	2	-	-	-	-	-
Wabaunsee........	11	-	6	2	1	2	-	-	-	-
Wallace..........	-	-	-	-	-	-	-	-	-	-
Washington.......	8	-	4	2	1	-	1	-	-	-
Wichita..........	2	-	1	-	-	1	-	-	-	-
Wilson...........	10	-	4	3	1	1	1	-	-	-
Woodson..........	7	1	4	-	2	-	-	-	-	-
Wyandotte........	880	11	306	311	147	65	27	12	1	-

Table 28
Perinatal Period III Deaths
By County of Residence
Kansas, 1980

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Kansas..........	566	340	226
Allen...........	2	1	1
Anderson........	1	1	-
Atchison........	4	3	1
Barber..........	2	1	1
Barton..........	6	3	3
Bourbon.........	3	3	-
Brown...........	2	1	1
Butler..........	14	10	4
Chase...........	-	-	-
Chautauqua......	-	-	-
Cherokee........	6	3	3
Cheyenne........	2	2	-
Clark...........	1	-	1
Clay............	-	-	-
Cloud...........	3	3	-
Coffey..........	2	1	1
Comanche........	-	-	-
Cowley..........	2	2	-
Crawford........	3	2	1
Decatur.........	-	-	-
Dickinson.......	3	1	2
Doniphan........	-	-	-
Douglas.........	13	8	5
Edwards.........	1	1	-
Elk.............	-	-	-
Ellis...........	9	6	3
Ellsworth.......	3	3	-
Finney..........	9	6	3
Ford............	8	4	4
Franklin........	-	-	-
Geary...........	24	14	10
Gove............	3	2	1
Graham..........	-	-	-
Grant...........	2	2	-
Gray............	1	1	-

Table 28 (cont.)
Perinatal Period III Deaths
By County of Residence
Kansas, 1980

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Greeley.........	-	-	-
Greenwood.......	1	-	1
Hamilton........	1	1	-
Harper..........	1	1	-
Harvey..........	5	4	1
Haskell.........	-	-	-
Hodgeman........	2	-	2
Jackson.........	6	4	2
Jefferson.......	1	1	-
Jewell..........	1	1	-
Johnson.........	51	29	22
Kearny..........	4	2	2
Kingman.........	4	4	-
Kiowa...........	2	-	2
Labette.........	7	4	3
Lane............	2	2	-
Leavenworth.....	8	5	3
Lincoln.........	2	2	-
Linn............	1	1	-
Logan...........	2	2	-
Lyon............	7	5	2
Marion..........	4	1	3
Marshall........	3	1	2
McPherson.......	4	2	2
Meade...........	2	2	-
Miami...........	10	8	2
Mitchell........	2	1	1
Montgomery......	12	4	8
Morris..........	1	1	-
Morton..........	-	-	-
Nemaha..........	3	1	2
Neosho..........	5	5	-
Ness............	-	-	-
Norton..........	1	-	1
Osage...........	1	1	-

Table 28 (cont.)
Perinatal Period III Deaths
By County of Residence
Kansas, 1980

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Osborne.........	-	-	-
Ottawa..........	1	1	-
Pawnee..........	-	-	-
Phillips........	2	1	1
Pottawatomie....	3	1	2
Pratt...........	2	-	2
Rawlins.........	-	-	-
Reno............	18	10	8
Republic........	2	2	-
Rice............	2	1	1
Riley...........	8	2	6
Rooks...........	-	-	-
Rush............	4	2	2
Russell.........	1	1	-
Saline..........	17	10	7
Scott...........	1	1	-
Sedgwick........	96	55	41
Seward..........	4	3	1
Shawnee.........	33	22	11
Sheridan........	1	1	-
Sherman.........	-	-	-
Smith...........	1	-	1
Stafford........	1	-	1
Stanton.........	-	-	-
Stevens.........	2	2	-
Sumner..........	6	2	4
Thomas..........	-	-	-
Trego...........	-	-	-
Wabaunsee.......	-	-	-
Wallace.........	2	2	-
Washington......	1	-	1
Wichita.........	2	1	1
Wilson..........	2	2	-
Woodson.........	2	2	-
Wyandotte.......	67	37	30

Table 29
Infant Deaths by Component
By County of Residence
Kansas, 1980

County of Residence	Components and Infant Age				
	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
	Under 7 days	7-27 days	Under 28 days	28-364 days	Under 1 year
Kansas...........	226	43	269	143	412
Allen............	1	-	1	2	3
Anderson.........	-	-	-	-	-
Atchison.........	1	-	1	-	1
Barber...........	1	-	1	-	1
Barton...........	3	-	3	1	4
Bourbon..........	-	-	-	-	-
Brown............	1	-	1	-	1
Butler...........	4	-	4	3	7
Chase............	-	-	-	-	-
Chautauqua.......	-	-	-	-	-
Cherokee.........	3	-	3	2	5
Cheyenne.........	-	-	-	-	-
Clark............	1	1	2	-	2
Clay.............	-	-	-	1	1
Cloud............	-	-	-	-	-
Coffey...........	1	-	1	-	1
Comanche.........	-	1	1	-	1
Cowley...........	-	1	1	5	6
Crawford.........	1	-	1	1	2
Decatur..........	-	-	-	-	-
Dickinson........	2	-	2	-	2
Doniphan.........	-	-	-	-	-
Douglas..........	5	2	7	3	10
Edwards..........	-	1	1	-	1
Elk..............	-	-	-	-	-
Ellis............	3	-	3	1	4
Ellsworth........	-	-	-	-	-
Finney...........	3	-	3	-	3
Ford.............	4	-	4	2	6
Franklin.........	-	-	-	1	1
Geary............	10	1	11	11	22
Gove.............	1	-	1	-	1
Graham...........	-	-	-	-	-
Grant............	-	-	-	1	1
Gray.............	-	-	-	-	-
Greeley..........	-	-	-	-	-
Greenwood........	1	-	1	-	1
Hamilton.........	-	-	-	-	-
Harper...........	-	-	-	-	-
Harvey...........	1	-	1	2	3
Haskell..........	-	-	-	1	1
Hodgeman.........	2	-	2	-	2
Jackson..........	2	1	3	1	4
Jefferson........	-	-	-	-	-
Jewell...........	-	-	-	-	-
Johnson..........	22	6	28	7	35
Kearny...........	2	-	2	-	2
Kingman..........	-	-	-	-	-
Kiowa............	2	-	2	-	2
Labette..........	3	-	3	-	3
Lane.............	-	-	-	-	-
Leavenworth......	3	-	3	1	4
Lincoln..........	-	-	-	-	-
Linn.............	-	-	-	1	1
Logan............	-	-	-	-	-

Table 29 (cont.)
Infant Deaths by Component
By County of Residence
Kansas, 1980

County of Residence	Components and Infant Age				
	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
	Under 7 days	7-27 days	Under 28 days	28-364 days	Under 1 year
Lyon.............	2	-	2	2	4
Marion...........	3	-	3	1	4
Marshall.........	2	-	2	-	2
McPherson........	2	-	2	1	3
Meade............	-	-	-	1	1
Miami............	2	-	2	-	2
Mitchell.........	1	-	1	-	1
Montgomery.......	8	-	8	7	15
Morris...........	-	-	-	-	-
Morton...........	-	-	-	-	-
Nemaha...........	2	-	2	1	3
Neosho...........	-	-	-	2	2
Ness.............	-	-	-	-	-
Norton...........	1	-	1	-	1
Osage............	-	1	1	-	1
Osborne..........	-	-	-	-	-
Ottawa...........	-	-	-	1	1
Pawnee...........	-	-	-	-	-
Phillips.........	1	-	1	1	2
Pottawatomie.....	2	-	2	1	3
Pratt............	2	-	2	-	2
Rawlins..........	-	-	-	-	-
Reno.............	8	3	11	4	15
Republic.........	-	-	-	-	-
Rice.............	1	1	2	-	2
Riley............	6	1	7	3	10
Rooks............	-	-	-	1	1
Rush.............	2	-	2	-	2
Russell..........	-	-	-	-	-
Saline...........	7	1	8	1	9
Scott............	-	-	-	-	-
Sedgwick.........	41	6	47	31	78
Seward...........	1	3	4	2	6
Shawnee..........	11	4	15	10	25
Sheridan.........	-	-	-	-	-
Sherman..........	-	-	-	1	1
Smith............	1	-	1	-	1
Stafford.........	1	-	1	-	1
Stanton..........	-	-	-	-	-
Stevens..........	-	-	-	-	-
Sumner...........	4	-	4	2	6
Thomas...........	-	1	1	1	2
Trego............	-	-	-	2	2
Wabaunsee........	-	-	-	-	-
Wallace..........	-	-	-	-	-
Washington.......	1	-	1	-	1
Wichita..........	1	-	1	-	1
Wilson...........	-	-	-	-	-
Woodson..........	-	-	-	-	-
Wyandotte........	30	8	38	20	58

Table 30
Deaths by Number and Rate
By County of Residence
Kansas, 1976-1980

County of Residence	Year									
	1976		1977		1978		1979		1980	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas..........	21,780	9.4	21,271	9.1	21,566	9.1	21,062	8.9	21,910	9.3
Allen...........	186	11.8	207	13.2	228	14.2	223	13.8	231	14.8
Anderson........	99	11.8	123	14.8	109	13.1	126	14.7	99	11.4
Atchison........	229	11.0	226	10.5	238	11.6	216	12.2	176	9.6
Barber..........	93	13.5	96	14.4	84	12.7	74	11.4	88	13.4
Barton..........	260	7.2	322	8.7	301	7.9	253	7.9	313	10.0
Bourbon.........	255	16.1	207	12.4	230	13.8	228	14.2	221	13.8
Brown...........	182	14.0	177	13.7	152	12.0	155	13.2	177	14.8
Butler..........	404	9.9	350	8.3	334	7.6	391	9.0	413	9.2
Chase...........	50	14.2	41	12.0	43	12.9	50	14.2	57	17.2
Chautauqua......	92	18.2	62	12.3	78	15.4	70	15.1	73	14.6
Cherokee........	325	14.1	275	12.2	298	12.5	287	13.3	339	15.2
Cheyenne........	63	15.4	45	11.2	30	7.5	50	12.7	51	13.9
Clark...........	30	10.5	29	10.5	35	12.9	35	12.2	33	12.7
Clay............	147	14.5	133	13.3	124	12.4	141	13.9	149	15.2
Cloud...........	196	13.9	183	13.0	197	14.2	169	13.3	181	14.5
Coffey..........	120	15.2	112	14.0	131	16.2	125	14.3	114	12.2
Comanche........	42	15.0	39	13.7	31	11.5	26	9.4	35	13.7
Cowley..........	439	12.5	375	10.6	387	11.0	395	11.3	421	11.4
Crawford........	475	12.5	497	13.1	489	12.8	473	12.7	510	13.5
Decatur.........	71	14.2	50	10.1	67	13.7	60	11.8	78	17.3
Dickinson.......	248	11.2	234	10.4	250	11.0	230	11.0	261	12.9
Doniphan........	120	12.0	105	10.5	122	12.5	104	11.5	112	12.1
Douglas.........	362	6.0	351	5.6	348	5.3	337	5.0	373	5.5
Edwards.........	62	13.4	55	12.3	55	12.5	47	10.3	62	14.5
Elk.............	79	19.5	70	17.5	61	15.2	65	16.4	68	17.4
Ellis...........	129	5.3	150	6.0	177	6.9	156	5.7	168	6.4
Ellsworth.......	80	11.2	85	11.7	105	14.8	85	13.4	87	13.1
Finney..........	159	6.3	159	6.1	164	5.7	137	5.6	180	7.6
Ford............	196	7.9	207	8.3	188	7.5	200	6.3	215	8.8
Franklin........	261	12.5	255	12.0	247	11.5	209	10.0	226	10.4
Geary...........	209	8.3	219	9.4	208	8.9	197	6.7	208	7.0
Gove............	34	8.5	42	10.5	43	11.0	39	9.8	35	9.4
Graham..........	43	9.4	36	8.0	38	8.5	36	8.5	46	11.5
Grant...........	41	5.7	27	3.7	45	6.2	31	4.1	42	6.0
Gray............	37	7.2	33	6.3	29	5.6	38	7.0	48	9.3
Greeley.........	12	5.3	17	7.7	17	8.1	18	9.5	15	8.1
Greenwood.......	153	16.8	127	14.0	158	17.7	127	13.5	128	14.6
Hamilton........	39	12.5	27	8.6	30	9.8	29	9.7	30	11.9
Harper..........	110	13.7	102	12.7	90	11.2	108	13.6	107	13.8
Harvey..........	270	9.3	255	8.8	269	9.4	268	8.9	279	9.1
Haskell.........	18	4.3	24	5.7	39	9.5	22	5.2	27	7.1
Hodgeman........	28	10.4	29	10.9	23	8.9	20	7.8	32	14.1
Jackson.........	138	12.0	136	11.7	147	12.7	127	10.3	126	10.8
Jefferson.......	148	11.1	154	11.0	152	10.8	121	8.2	151	9.9
Jewell..........	85	14.4	85	14.5	71	12.3	65	11.3	71	13.5
Johnson.........	1,360	5.6	1,398	5.6	1,371	5.4	1,445	5.4	1,460	5.4
Kearny..........	22	6.6	20	5.9	28	8.1	24	6.3	28	8.2
Kingman.........	111	11.0	102	10.1	101	10.4	105	11.7	119	13.3
Kiowa...........	52	12.5	35	8.2	53	12.7	49	11.8	35	8.7
Labette.........	356	14.5	303	12.1	317	12.7	309	12.1	282	11.0
Lane............	27	9.5	24	8.4	25	9.0	17	6.3	26	10.5
Leavenworth.....	433	8.4	430	8.3	446	8.5	391	7.1	421	7.7
Lincoln.........	63	13.1	46	9.7	79	17.1	44	9.7	68	16.4
Linn............	122	14.8	113	13.6	134	15.7	109	12.3	103	12.5
Logan...........	28	7.2	52	13.8	32	8.8	31	8.4	55	15.8

Table 30 (cont.)
Deaths by Number and Rate
By County of Residence
Kansas, 1976-1980

County of Residence	1976 Number	1976 Rate	1977 Number	1977 Rate	1978 Number	1978 Rate	1979 Number	1979 Rate	1980 Number	1980 Rate
Lyon.............	308	9.4	299	8.7	290	8.0	285	8.3	327	9.3
Marion...........	193	12.0	182	11.0	161	9.9	149	11.2	175	12.9
Marshall.........	220	15.8	212	15.6	205	15.3	203	14.8	179	14.1
McPherson........	236	9.3	273	10.6	263	10.1	244	9.3	288	10.7
Meade............	35	6.9	54	10.6	53	10.6	42	8.1	41	8.6
Miami............	248	12.1	213	10.0	217	9.9	214	9.6	214	9.9
Mitchell.........	121	14.9	119	14.8	113	13.9	110	13.5	99	12.2
Montgomery.......	542	12.6	553	12.7	579	13.2	526	13.0	544	12.9
Morris...........	100	14.4	80	11.6	103	15.2	98	14.1	107	16.7
Morton...........	24	6.8	29	8.3	21	6.1	26	7.1	26	7.5
Nemaha...........	129	10.7	133	11.0	136	11.3	114	10.0	119	10.6
Neosho...........	246	13.9	237	13.3	250	13.7	225	12.0	232	12.2
Ness.............	66	14.5	55	11.5	45	9.6	45	9.5	63	14.0
Norton...........	87	12.3	89	12.5	95	13.1	90	13.6	89	13.3
Osage............	167	12.3	181	13.1	180	12.6	175	11.9	206	13.4
Osborne..........	93	14.6	95	15.0	97	15.5	91	14.3	89	14.9
Ottawa...........	91	14.2	71	11.1	81	12.8	75	11.7	78	13.1
Pawnee...........	112	14.0	105	13.2	93	11.9	115	13.5	73	9.1
Phillips.........	105	12.7	108	13.0	87	10.9	108	13.8	87	11.9
Pottawatomie.....	155	11.5	126	9.2	146	10.2	151	10.6	149	10.1
Pratt............	129	13.3	107	10.9	134	13.7	127	12.4	115	11.2
Rawlins..........	56	13.0	34	8.0	37	8.9	36	8.4	51	12.4
Reno.............	582	8.9	603	9.3	612	9.3	611	9.5	595	9.2
Republic.........	152	18.2	131	15.8	123	15.1	121	16.1	118	15.6
Rice.............	150	12.8	166	13.8	122	10.2	140	11.3	161	13.5
Riley............	256	6.1	251	6.0	276	6.6	254	3.8	255	4.0
Rooks............	104	13.9	91	12.5	81	10.9	93	12.7	90	12.8
Rush.............	68	13.0	69	13.5	71	14.3	71	14.6	66	14.6
Russell..........	127	13.1	128	13.5	114	12.1	109	12.0	118	13.3
Saline...........	384	7.7	399	8.2	407	8.6	400	7.9	404	8.3
Scott............	56	8.3	52	7.5	35	5.3	39	6.3	36	6.2
Sedgwick.........	2,644	7.7	2,647	7.7	2,726	8.0	2,757	7.8	2,717	7.4
Seward...........	109	6.5	121	7.1	108	6.2	133	7.7	127	7.4
Shawnee..........	1,289	7.4	1,364	7.7	1,344	7.5	1,254	7.9	1,380	8.9
Sheridan.........	40	10.7	34	8.9	34	8.8	34	8.5	26	7.3
Sherman..........	72	8.5	61	7.2	67	8.2	63	7.7	75	9.7
Smith............	98	15.1	85	13.0	90	14.0	85	13.2	87	14.6
Stafford.........	90	14.5	82	13.4	83	13.4	75	11.7	77	13.9
Stanton..........	17	6.4	15	5.5	9	3.6	17	6.2	9	3.8
Stevens..........	35	7.8	40	8.4	31	6.6	36	7.2	42	8.9
Sumner...........	273	11.4	259	10.7	284	11.7	312	12.8	322	12.9
Thomas...........	46	5.7	81	9.7	63	7.7	74	8.5	59	7.0
Trego............	43	9.6	49	10.8	49	11.1	56	12.4	56	13.4
Wabaunsee........	96	14.3	65	9.5	80	11.8	63	8.9	69	10.0
Wallace..........	24	10.7	21	9.3	16	7.2	19	8.9	19	9.3
Washington.......	149	16.3	122	13.5	122	13.5	134	14.8	120	14.0
Wichita..........	19	5.2	15	4.3	22	6.5	21	6.3	24	7.9
Wilson...........	183	14.1	152	12.3	162	12.3	177	14.7	159	13.1
Woodson..........	78	16.6	76	16.2	80	17.0	79	19.0	60	13.0
Wyandotte........	1,740	9.3	1,681	9.3	1,721	9.5	1,699	10.0	1,835	10.6

Table 31
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1980

County of Residence	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Not Stated	Average Age at Death
Kansas.........	21,910	412	85	112	536	454	460	1,126	2,622	4,532	6,229	5,340	2	70.7
Allen..........	231	3	-	2	6	1	3	11	17	43	82	63	-	73.7
Anderson.......	99	-	-	-	1	3	-	4	11	22	25	33	-	75.7
Atchison.......	176	1	-	3	5	4	2	7	20	46	49	39	-	71.2
Barber.........	88	1	-	2	-	2	-	4	11	18	27	23	-	72.7
Barton.........	313	4	2	-	7	10	8	22	44	57	91	68	-	69.6
Bourbon........	221	-	-	1	-	2	3	16	28	32	91	48	-	74.6
Brown..........	177	1	-	-	-	1	4	4	21	24	55	67	-	77.5
Butler.........	413	7	-	5	15	9	12	15	48	83	119	100	-	70.3
Chase..........	57	-	-	-	2	1	1	1	6	5	19	22	-	77.2
Chautauqua.....	73	-	1	-	-	3	1	2	4	19	19	24	-	74.5
Cherokee.......	339	5	-	2	4	5	7	17	38	91	110	60	-	70.8
Cheyenne.......	51	-	-	-	2	-	-	2	6	10	14	17	-	76.1
Clark..........	33	2	-	-	1	-	1	-	5	4	11	9	-	70.3
Clay...........	149	1	1	1	3	-	1	1	12	31	47	51	-	76.7
Cloud..........	181	-	-	-	5	1	1	2	23	35	55	59	-	76.0
Coffey.........	114	1	2	1	2	1	1	4	6	30	30	36	-	73.5
Comanche.......	35	1	-	-	-	-	-	1	3	8	12	10	-	76.8
Cowley.........	421	6	4	1	6	5	7	12	46	91	136	107	-	72.9
Crawford.......	510	2	1	2	9	6	10	18	44	121	146	151	-	74.6
Decatur........	78	-	-	-	2	-	2	3	10	10	25	26	-	75.7
Dickinson......	261	2	-	1	6	5	9	11	24	37	95	71	-	73.7
Doniphan.......	112	-	-	-	2	-	3	4	8	26	36	33	-	75.1
Douglas........	373	10	-	-	9	10	10	17	52	68	96	101	-	70.5
Edwards........	62	1	1	-	-	1	2	-	6	13	16	22	-	75.0
Elk............	68	-	-	-	-	-	-	5	6	14	22	21	-	76.4
Ellis..........	168	4	3	1	4	5	3	10	25	33	47	33	-	67.6
Ellsworth......	87	-	-	-	1	3	1	4	14	11	30	23	-	73.3
Finney.........	180	3	1	6	9	4	10	14	30	35	38	30	-	63.6
Ford...........	215	6	2	-	6	4	3	13	32	51	50	48	-	68.9
Franklin.......	226	1	1	1	6	8	4	13	18	36	81	57	-	72.1
Geary..........	208	22	2	1	22	6	7	12	28	40	40	28	-	55.8
Gove...........	35	1	-	-	-	-	1	2	3	7	13	8	-	73.4
Graham.........	46	-	-	-	-	2	4	-	5	13	12	10	-	71.7
Grant..........	42	1	-	-	2	-	1	4	5	13	9	7	-	67.2
Gray...........	48	-	-	-	3	2	2	3	4	8	16	10	-	68.5

Table 31 (cont.)
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1980

County of Residence	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Not Stated	Average Age at Death
Greeley.........	15	-	-	-	-	-	-	-	4	5	4	2	-	71.6
Greenwood.......	128	1	-	-	1	2	2	5	17	23	37	40	-	75.3
Hamilton........	30	-	-	-	2	-	-	2	3	8	11	4	-	70.6
Harper..........	107	-	-	1	2	-	1	5	10	20	35	33	-	76.0
Harvey..........	279	3	-	-	5	8	3	12	16	72	78	82	-	73.8
Haskell.........	27	1	-	-	-	-	-	1	5	6	9	5	-	70.9
Hodgeman........	32	2	-	-	1	-	1	-	3	7	10	8	-	69.9
Jackson.........	126	-	-	-	7	3	5	1	19	25	37	29	-	70.7
Jefferson.......	151	4	-	2	4	4	5	6	17	34	38	37	-	69.2
Jewell..........	71	-	-	-	1	-	-	6	2	12	26	24	-	78.4
Johnson.........	1,460	35	9	14	44	47	37	120	204	307	341	301	1	67.0
Kearny..........	28	2	-	-	-	-	2	2	6	4	6	6	-	64.9
Kingman.........	119	-	1	-	2	1	1	8	16	25	37	28	-	73.3
Kiowa...........	35	2	-	-	-	-	-	2	2	9	8	12	-	72.0
Labette.........	282	3	-	1	7	-	4	10	30	68	82	77	-	73.6
Lane............	26	-	-	-	-	1	-	3	1	10	7	4	-	71.4
Leavenworth.....	421	4	1	2	11	7	20	23	67	99	109	78	-	68.8
Lincoln.........	68	-	-	-	1	-	1	3	5	15	21	22	-	76.3
Linn............	103	1	1	1	4	1	3	5	8	28	32	19	-	70.1
Logan...........	55	-	-	1	-	1	2	4	3	13	22	9	-	71.9
Lyon............	327	4	2	2	6	5	6	12	24	73	84	109	-	74.2
Marion..........	175	4	-	1	3	5	-	1	11	30	57	63	-	75.3
Marshall........	179	2	2	-	1	2	3	6	12	36	62	53	-	74.9
McPherson.......	288	3	3	1	5	3	4	11	27	61	84	86	-	73.9
Meade...........	41	1	-	-	1	-	1	2	3	10	11	12	-	72.8
Miami...........	214	2	2	3	9	8	1	8	16	42	70	53	-	70.5
Mitchell........	99	1	-	2	-	-	1	5	12	18	33	27	-	74.1
Montgomery......	544	15	-	1	12	4	10	25	69	136	151	121	-	70.8
Morris..........	107	-	-	1	3	1	1	3	6	18	33	41	-	77.1
Morton..........	26	-	1	-	-	2	2	1	1	9	5	5	-	66.2
Nemaha..........	119	3	-	-	-	1	2	4	15	20	32	42	-	75.0
Neosho..........	232	2	-	2	5	4	5	7	24	38	79	66	-	73.8
Ness............	63	-	-	-	1	-	1	3	10	10	21	17	-	74.9
Norton..........	89	1	-	-	2	-	2	3	8	14	26	33	-	75.4
Osage...........	206	1	1	1	7	3	2	6	25	50	59	51	-	72.4

Table 31 (cont.)
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1980

County of Residence	Total	Age Group												
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Not Stated	Average Age at Death
Osborne.........	89	-	-	-	2	1	-	2	14	12	27	31	-	76.6
Ottawa..........	78	1	-	1	-	-	1	2	6	22	22	23	-	75.7
Pawnee..........	73	-	-	2	2	-	1	2	9	17	19	21	-	73.6
Phillips........	87	2	-	-	-	1	1	3	6	23	25	26	-	74.9
Pottawatomie....	149	3	-	-	2	1	2	3	9	28	60	41	-	75.5
Pratt...........	115	2	-	-	3	3	1	6	14	17	38	31	-	72.7
Rawlins.........	51	-	-	-	2	-	-	4	8	12	10	15	-	72.1
Reno............	595	15	1	2	20	6	10	24	69	113	182	153	-	71.3
Republic........	118	-	-	-	2	-	2	6	14	15	38	41	-	76.3
Rice............	161	2	1	-	5	3	2	6	13	31	52	46	-	73.5
Riley...........	255	10	1	2	7	8	6	13	36	47	60	65	-	67.9
Rooks...........	90	1	-	-	4	-	-	7	8	27	24	19	-	71.2
Rush............	66	2	-	-	4	1	-	2	7	6	28	16	-	71.2
Russell.........	118	-	-	-	3	1	2	4	13	33	38	24	-	73.6
Saline..........	404	9	1	2	7	7	6	18	51	84	114	105	-	71.6
Scott...........	36	-	-	1	1	-	1	2	4	4	10	13	-	74.3
Sedgwick........	2,717	78	16	16	82	94	81	177	423	567	647	536	-	66.8
Seward..........	127	6	-	2	2	6	3	14	18	35	25	16	-	63.0
Shawnee.........	1,380	25	7	5	31	39	32	82	165	276	384	334	-	70.2
Sheridan........	26	-	1	-	1	-	-	1	2	7	8	6	-	71.6
Sherman.........	75	1	-	1	3	1	2	2	11	10	27	17	-	70.7
Smith...........	87	1	-	-	1	-	-	-	6	12	38	29	-	78.8
Stafford........	77	1	-	-	-	-	-	2	9	8	30	27	-	78.3
Stanton.........	9	-	-	-	-	-	-	-	2	2	-	5	-	79.1
Stevens.........	42	-	1	1	2	-	1	-	7	8	12	10	-	69.0
Sumner..........	322	6	1	-	5	1	6	15	36	76	97	79	-	72.7
Thomas..........	59	2	1	-	3	2	4	5	3	13	15	11	-	64.0
Trego...........	56	2	-	-	2	-	1	2	3	11	19	16	-	73.5
Wabaunsee.......	69	-	-	-	-	2	3	3	6	16	18	21	-	74.7
Wallace.........	19	-	-	-	-	-	1	-	3	3	4	8	-	76.2
Washington......	120	1	-	-	-	2	-	2	9	26	43	37	-	77.4
Wichita.........	24	1	-	-	-	-	-	-	1	6	10	6	-	74.9
Wilson..........	159	-	-	2	2	3	1	10	9	29	60	43	-	74.7
Woodson.........	60	-	-	-	-	2	1	3	3	8	23	20	-	77.6
Wyandotte.......	1,835	58	10	9	51	53	37	131	261	388	501	335	1	67.1

Table 32
Twenty Leading Causes of Death
By County of Residence
Kansas, 1980

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Certain Conditions Originating in the Perinatal Period	Aortic Aneurysm	Homicide	Congenital Anomalies	Emphysema	Hypertension	Septicemia	Ulcer of Stomach and Duodenum	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Gastrointestinal Hemorrhage
Kansas...........	8,369	4,185	2,006	1,323	756	452	363	257	208	207	197	184	174	153	134	81	75	74	73	65
Allen............	88	38	36	12	8	3	3	1	7	-	1	1	-	2	-	1	1	-	1	3
Anderson.........	50	20	6	10	3	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-
Atchison.........	63	34	23	10	4	3	4	2	3	1	1	1	1	1	-	3	1	2	-	1
Barber...........	35	16	6	7	9	1	-	-	1	3	-	1	-	1	-	-	-	1	-	-
Barton...........	133	61	25	21	8	1	9	2	2	4	1	2	2	3	5	1	3	3	2	-
Bourbon..........	96	43	28	11	7	5	8	1	1	2	-	1	2	-	1	-	-	1	-	1
Brown............	59	38	12	7	8	31	1	1	-	1	-	-	-	2	1	-	-	-	1	2
Butler...........	146	75	50	35	8	8	10	6	4	4	4	3	4	1	5	-	-	1	3	-
Chase............	23	7	4	4	2	6	3	-	-	-	-	1	-	-	1	-	-	-	1	-
Chautauqua.......	31	13	8	5	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	1
Cherokee.........	148	65	37	18	9	5	-	-	3	3	1	-	4	2	3	-	-	1	2	1
Cheyenne.........	20	12	7	4	2	1	-	-	-	1	-	-	-	-	1	-	-	-	-	-
Clark............	10	7	1	-	-	1	1	1	-	-	2	1	-	-	-	-	-	-	3	1
Clay.............	67	24	15	8	9	3	1	-	-	1	-	2	-	-	1	-	-	-	-	-
Cloud............	85	34	16	10	3	9	1	1	-	-	-	2	1	-	1	1	1	-	2	-
Coffey...........	46	18	15	10	4	2	1	1	3	-	1	3	-	-	1	-	-	-	-	1
Comanche.........	9	9	3	2	-	2	-	2	-	-	-	-	-	-	3	-	-	-	-	-
Cowley...........	122	79	46	27	9	11	11	-	6	5	2	4	2	2	3	1	1	-	-	2
Crawford.........	230	99	47	15	11	4	6	5	3	4	1	3	8	3	1	3	2	5	2	2
Decatur..........	28	18	9	3	2	2	3	2	-	1	-	-	1	-	-	-	-	-	1	-
Dickinson........	98	52	23	15	6	8	5	2	-	-	2	3	-	-	2	1	1	-	2	2
Doniphan.........	47	17	9	2	5	3	1	1	3	3	-	-	-	-	1	-	-	1	-	-
Douglas..........	122	80	35	17	18	9	4	4	2	3	4	2	2	4	-	3	2	-	2	3
Edwards..........	41	8	-	4	1	-	2	-	-	2	-	-	1	-	1	-	-	-	-	1
Elk..............	29	11	3	4	3	3	2	-	-	1	-	1	-	1	1	1	-	-	-	-
Ellis............	66	37	9	10	8	2	2	4	1	1	1	2	4	2	1	-	-	-	-	-
Ellsworth........	29	17	7	9	2	1	5	5	-	1	-	-	-	1	-	-	-	-	-	-
Finney...........	58	35	13	24	2	11	1	3	2	5	2	1	2	1	2	2	-	-	-	-
Ford.............	87	42	21	12	1	4	4	4	1	1	3	2	-	1	3	-	-	2	1	-
Franklin.........	84	47	17	18	14	7	4	1	3	1	-	4	3	1	1	-	1	-	-	-

Table 32 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1980

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Certain Conditions Originating in the Perinatal Period	Aortic Aneurysm	Homicide	Congenital Anomalies	Emphysema	Hypertension	Septicemia	Ulcer of Stomach and Duodenum	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Gastrointestinal Hemorrhage
Geary	63	30	11	32	8	2	1	2	3	2	11	3	3	3	-	1	-	2	2	-
Gove	17	4	1	3	1	-	3	-	1	1	1	-	-	-	-	-	-	-	-	-
Graham	11	8	8	2	2	1	2	2	-	1	-	1	-	-	-	-	-	-	-	-
Grant	20	9	4	3	-	-	-	-	1	-	-	1	-	1	2	-	-	-	-	-
Gray	17	9	2	6	-	2	2	-	-	3	-	1	1	1	-	-	-	-	-	-
Greeley	2	2	4	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Greenwood	63	32	7	4	4	2	1	-	2	-	1	1	-	-	-	-	-	-	-	-
Hamilton	15	5	2	3	-	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-
Harper	29	21	16	8	7	2	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Harvey	117	43	30	19	9	2	4	1	-	3	-	4	3	3	1	1	1	-	-	-
Haskell	7	9	1	2	-	-	1	-	2	-	-	-	-	1	-	-	-	-	-	-
Hodgeman	12	4	5	2	-	-	2	-	-	-	2	1	-	-	2	-	-	-	-	-
Jackson	42	21	16	14	4	7	2	2	-	-	-	2	2	-	-	-	-	1	-	3
Jefferson	48	34	16	11	8	6	5	-	1	-	2	3	1	1	2	-	1	-	-	1
Jewell	33	13	7	4	3	2	1	-	2	-	-	-	-	-	1	-	-	1	-	-
Johnson	544	317	106	87	39	23	19	30	12	12	20	10	11	13	12	3	10	10	3	3
Kearny	14	3	2	1	1	-	-	-	1	1	1	1	-	1	-	-	-	-	-	-
Kingman	50	26	12	13	4	1	3	-	-	-	-	1	-	-	-	-	1	-	-	-
Kiowa	12	5	4	1	1	2	-	-	1	-	2	-	-	-	-	-	-	-	1	-
Labette	119	49	20	14	16	4	3	5	3	2	3	4	-	-	-	-	-	-	-	2
Lane	9	2	7	2	-	1	-	1	-	-	-	1	-	-	1	-	-	-	-	-
Leavenworth	150	83	32	22	21	7	12	5	6	8	2	2	5	1	1	-	1	1	-	-
Lincoln	28	11	7	4	1	-	1	-	-	-	-	1	-	-	1	5	2	1	-	-
Linn	45	19	9	8	5	-	-	-	3	-	1	-	-	-	-	1	1	-	-	1
Logan	20	7	3	5	2	2	2	-	1	-	-	1	-	1	-	1	-	-	1	-
Lyon	148	53	35	14	7	4	5	5	2	1	2	4	-	1	-	1	1	1	1	1
Marion	75	27	11	11	6	5	5	1	4	1	2	1	-	1	1	-	1	-	-	-
Marshall	78	31	15	6	3	7	2	-	2	2	1	2	-	2	1	-	-	-	-	2
McPherson	123	50	24	17	6	6	6	1	3	1	1	8	-	1	5	-	-	1	-	-
Meade	23	9	1	2	1	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Table 32 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1980

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Certain Conditions Originating in the Perinatal Period	Aortic Aneurysm	Homicide	Congenital Anomalies	Emphysema	Hypertension	Septicemia	Ulcer of Stomach and Duodenum	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Gastrointestinal Hemorrhage
Miami.............	99	42	12	16	3	5	1	2	3	1	2	1	2	1	1	1	2	1	1	-
Mitchell..........	34	24	13	3	5	7	2	-	1	-	1	1	-	-	-	2	-	-	-	-
Montgomery........	215	113	63	28	14	3	11	2	7	12	6	8	1	3	-	2	-	2	2	-
Morris............	36	25	14	4	5	4	-	1	-	-	-	-	-	-	1	1	-	-	1	1
Morton............	13	5	2	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Nemaha............	38	28	15	3	8	3	2	-	3	-	2	-	-	1	2	-	-	-	-	1
Neosho............	80	53	18	15	14	5	1	-	1	-	-	5	1	1	1	2	1	-	2	-
Ness..............	30	11	4	2	5	2	-	-	1	-	-	-	-	1	-	1	-	-	-	-
Norton............	30	18	7	5	8	2	2	2	1	-	1	-	-	-	-	-	-	-	1	-
Osage.............	85	33	26	14	7	8	5	3	1	1	-	-	2	1	1	2	-	-	-	1
Osborne...........	45	12	4	4	5	3	-	1	2	-	-	4	-	-	-	-	1	-	-	1
Ottawa............	33	14	11	1	3	2	1	-	-	-	-	-	-	1	-	-	-	-	1	-
Pawnee............	32	10	6	7	3	1	1	-	-	-	-	-	-	-	-	1	-	2	-	-
Phillips..........	41	15	2	3	7	2	-	-	-	1	-	-	-	2	-	-	-	-	2	1
Pottawatomie......	59	23	16	5	5	7	6	1	2	1	1	1	-	1	1	-	-	-	1	1
Pratt.............	37	22	8	7	9	3	-	4	3	-	1	1	2	1	-	-	2	-	-	1
Rawlins...........	21	15	4	1	2	-	1	1	2	1	-	-	-	-	-	-	-	-	-	-
Reno..............	245	109	54	29	29	13	9	10	4	6	10	5	4	4	5	1	1	-	2	4
Republic..........	50	12	14	10	11	2	5	1	-	-	-	-	-	-	1	-	1	-	-	-
Rice..............	58	27	16	11	10	1	1	2	3	2	1	-	1	-	2	-	-	-	1	-
Riley.............	82	49	21	18	17	7	1	2	3	3	5	2	2	1	1	-	2	1	-	-
Rooks.............	39	14	5	9	6	1	1	1	4	1	-	-	-	1	2	2	-	-	-	-
Rush..............	30	12	3	4	2	-	-	3	-	-	-	-	-	2	1	-	-	-	3	-
Russell...........	50	23	10	2	4	-	1	4	-	4	-	1	-	-	-	1	-	-	-	1
Saline............	156	76	59	17	13	11	4	6	1	3	6	3	2	2	6	-	-	2	1	-
Scott.............	11	6	4	4	2	2	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Sedgwick..........	990	539	249	168	84	43	47	59	21	25	37	27	34	28	15	20	8	7	8	5
Seward............	57	25	5	10	6	3	-	-	1	2	-	-	2	4	-	1	1	-	-	-
Shawnee...........	523	243	111	87	53	25	25	23	10	19	13	10	16	7	8	5	5	7	9	7
Sheridan..........	10	7	1	1	2	-	-	-	-	-	-	1	-	1	-	-	-	-	1	-

Table 32 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1980

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis	Certain Conditions Originating in the Perinatal Period	Aortic Aneurysm	Homicide	Congenital Anomalies	Emphysema	Hypertension	Septicemia	Ulcer of Stomach and Duodenum	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Gastrointestinal Hemorrhage
Sherman............	28	12	9	5	2	2	2	-	1	2	-	-	-	1	1	-	-	1	-	-
Smith..............	44	11	12	2	2	3	2	-	2	-	1	-	-	-	-	-	-	-	1	1
Stafford...........	39	11	7	1	1	2	1	-	1	-	-	-	-	1	2	-	-	1	-	1
Stanton............	3	3	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stevens............	13	11	4	3	1	-	2	1	-	1	-	-	-	-	-	-	-	-	-	-
Sumner.............	107	79	27	16	9	11	6	2	4	2	3	1	-	2	4	4	-	-	-	-
Thomas.............	16	17	6	3	-	1	1	2	1	2	-	1	-	2	2	-	1	-	-	-
Trego..............	20	11	6	3	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Wabaunsee..........	23	10	9	5	4	5	2	1	-	-	-	1	-	1	-	-	-	1	1	-
Wallace............	7	6	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Washington.........	53	15	13	8	4	5	1	-	-	-	-	1	-	1	2	-	2	-	-	-
Wichita............	9	3	3	-	-	3	-	-	-	1	1	1	-	-	-	-	-	-	-	-
Wilson.............	66	31	15	11	5	-	6	1	3	2	-	2	-	-	-	-	-	2	-	-
Woodson............	18	5	8	4	4	2	2	-	-	1	-	-	-	-	-	-	-	-	1	1
Wyandotte..........	610	363	159	116	49	15	33	18	26	24	28	13	41	21	4	5	16	10	3	3

Table 33
Death Rates for Ten Leading Causes of Death
By County of Residence
Kansas, 1980

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis
Kansas.......	354.1	177.1	84.9	56.0	32.0	19.1	15.4	10.9	8.8	8.8
Allen........	568.5	242.7	230.0	76.7	51.1	19.2	19.2	6.4	44.7	-
Anderson.....	571.5	240.0	68.6	114.3	34.3	11.4	-	-	-	11.4
Atchison.....	342.4	184.8	125.0	54.4	21.7	16.3	21.7	10.9	16.3	5.4
Barber.......	534.5	244.3	91.6	106.9	137.4	15.3	-	-	15.3	45.8
Barton.......	424.3	194.6	79.8	67.0	25.5	3.2	28.7	6.4	6.4	12.8
Bourbon......	601.2	269.3	175.3	68.9	43.8	31.3	50.1	6.3	6.3	12.5
Brown........	493.5	317.9	100.4	58.6	66.9	259.3	8.4	8.4	-	8.4
Butler.......	326.0	167.5	111.7	78.2	17.9	17.9	22.3	13.4	8.9	8.9
Chase........	695.1	211.5	120.9	120.9	60.4	181.3	90.7	-	-	-
Chautauqua...	618.0	259.2	159.5	99.7	-	20.0	-	-	-	-
Cherokee.....	663.6	291.4	165.9	80.7	40.4	22.4	-	-	13.5	13.5
Cheyenne.....	543.8	326.3	190.3	108.8	54.4	27.2	-	-	-	27.2
Clark........	384.8	269.3	38.5	-	-	38.5	38.5	38.5	-	-
Clay.........	683.5	244.8	153.0	81.6	91.8	30.6	10.2	-	-	10.2
Cloud........	680.3	272.1	128.1	80.0	24.0	72.0	8.0	8.0	-	-
Coffey.......	490.9	192.1	160.1	106.7	42.7	21.3	10.7	10.7	32.0	-
Comanche.....	352.4	352.4	117.5	78.3	-	78.3	-	78.3	-	-
Cowley.......	331.3	214.5	124.9	73.3	24.4	29.9	29.9	-	16.3	13.6
Crawford.....	611.9	261.1	124.0	39.6	29.0	10.6	15.8	13.2	7.9	10.6
Decatur......	621.0	399.2	199.6	66.5	44.4	44.4	66.5	44.4	-	22.2
Dickinson....	485.8	257.7	114.0	74.3	29.7	39.7	24.8	9.9	-	-
Doniphan.....	507.1	183.4	97.1	21.6	53.9	32.4	10.8	10.8	32.4	32.4
Douglas......	180.4	118.3	51.7	25.1	26.6	13.3	5.9	5.9	3.0	4.4
Edwards......	960.0	187.3	-	93.7	23.4	-	46.8	-	-	46.8
Elk..........	740.2	280.8	76.6	102.1	76.6	76.6	51.0	-	-	25.5
Ellis........	252.9	141.8	34.5	38.3	30.7	7.7	7.7	15.3	3.8	3.8
Ellsworth....	436.7	256.0	105.4	135.5	30.1	15.1	75.3	75.3	-	15.1
Finney.......	243.4	146.9	54.6	100.7	8.4	46.2	4.2	12.6	8.4	21.0
Ford.........	357.8	172.7	86.4	49.4	4.1	16.5	16.5	16.5	4.1	4.1
Franklin.....	385.1	215.5	77.9	82.5	64.2	32.1	18.3	4.6	13.8	4.6
Geary........	211.0	100.5	36.8	107.2	26.8	6.7	3.3	6.7	10.0	6.7
Gove.........	456.3	107.4	26.8	80.5	26.8	-	80.5	-	26.8	26.8
Graham.......	275.3	200.3	200.3	50.1	50.1	25.0	50.1	50.1	-	25.0
Grant........	286.7	129.0	57.3	43.0	-	-	-	-	14.3	-
Gray.........	330.9	175.2	38.9	116.8	-	38.9	38.9	-	-	58.4

Table 33 (cont.)
Death Rates for Ten Leading Causes of Death
By County of Residence
Kansas, 1980

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis
Greeley......	108.4	108.4	216.8	-	-	54.2	-	-	-	108.4
Greenwood....	718.9	365.1	79.9	45.6	45.6	22.8	11.4	-	22.8	-
Hamilton.....	596.7	198.9	79.6	119.3	-	-	39.8	-	-	-
Harper.......	372.8	270.0	205.7	102.9	90.0	25.7	12.9	-	-	-
Harvey.......	383.2	140.8	98.3	62.2	29.5	6.6	13.1	3.3	-	9.8
Haskell......	183.5	236.0	26.2	52.4	-	-	26.2	-	52.4	-
Hodgeman.....	528.9	176.3	220.4	88.1	-	-	88.1	-	-	-
Jackson......	360.7	180.4	137.4	120.2	34.4	60.1	17.2	17.2	-	-
Jefferson....	315.6	223.6	105.2	72.3	52.6	39.5	32.9	-	6.6	-
Jewell.......	629.7	248.0	133.6	76.3	57.2	38.2	19.1	-	38.2	-
Johnson......	201.3	117.3	39.2	32.2	14.4	8.5	7.0	11.1	4.4	4.4
Kearny.......	407.6	87.3	58.2	29.1	29.1	-	-	-	29.1	29.1
Kingman......	558.0	290.2	133.9	145.1	44.6	11.2	33.5	-	-	-
Kiowa........	296.6	123.6	98.9	24.7	24.7	49.4	-	-	24.7	-
Labette......	463.4	190.8	77.9	54.5	62.3	15.6	11.7	19.5	11.7	7.8
Lane.........	364.1	80.9	283.2	80.9	-	40.5	-	40.5	-	-
Leavenworth..	273.7	151.4	58.4	40.1	38.3	12.8	21.9	9.1	10.9	14.6
Lincoln......	675.5	265.4	168.9	96.5	24.1	-	24.1	-	-	-
Linn.........	546.5	230.8	109.3	97.2	60.7	-	-	-	36.4	-
Logan........	575.0	201.3	86.3	143.8	57.5	57.5	57.5	-	28.8	-
Lyon.........	421.6	151.0	99.7	39.9	19.9	11.4	14.2	14.2	5.7	2.8
Marion.......	562.0	199.7	81.3	81.3	44.4	37.0	37.0	7.4	29.6	7.4
Marshall.....	613.2	243.7	117.9	47.2	23.6	55.0	15.7	-	15.7	15.7
McPherson....	458.0	186.2	89.4	63.3	22.3	22.3	22.3	3.7	11.2	3.7
Meade........	480.4	188.0	20.9	41.8	20.9	20.9	-	-	-	-
Miami........	458.0	194.3	55.5	74.0	13.9	23.1	4.6	9.3	13.9	4.6
Mitchell.....	418.9	295.7	160.2	37.0	61.6	86.2	24.6	-	12.3	-
Montgomery...	508.5	267.3	149.0	66.2	33.1	7.1	26.0	4.7	16.6	28.4
Morris.......	560.8	389.5	218.1	62.3	77.9	62.3	-	15.6	-	-
Morton.......	376.4	144.8	57.9	86.9	29.0	-	-	-	-	29.0
Nemaha.......	339.0	249.8	133.8	26.8	71.4	26.8	17.8	-	26.8	-
Neosho.......	421.8	279.4	94.9	79.1	73.8	26.4	5.3	-	5.3	-
Ness.........	667.0	244.6	88.9	44.5	111.2	44.5	-	-	22.2	-
Norton.......	448.5	269.1	104.6	74.8	119.6	29.9	29.9	29.9	14.9	-
Osage........	554.9	215.4	169.7	91.4	45.7	52.2	32.6	19.6	6.5	6.5

Table 33 (cont.)
Death Rates for Ten Leading Causes of Death
By County of Residence
Kansas, 1980

County of Residence	Cause of Death									
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Pneumonia and Influenza	Atherosclerosis	Diabetes Mellitus	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis	Chronic Liver Disease and Cirrhosis
Osborne......	755.2	201.4	67.1	67.1	83.9	50.3	-	16.8	33.6	-
Ottawa.......	552.7	234.5	184.2	16.7	50.2	33.5	16.7	-	-	-
Pawnee.......	396.8	124.0	74.4	86.8	37.2	12.4	12.4	-	-	-
Phillips.....	553.6	202.5	27.0	40.5	94.5	27.0	-	-	-	13.5
Pottawatomie.	399.1	155.6	108.2	33.8	33.8	47.4	40.6	6.8	13.5	6.8
Pratt........	360.1	214.1	77.9	68.1	87.6	29.2	-	38.9	29.2	-
Rawlins......	511.6	365.4	97.4	24.4	48.7	-	24.4	24.4	48.7	24.4
Reno.........	377.0	167.7	83.1	44.6	44.6	20.0	13.8	15.4	6.2	9.2
Republic.....	660.6	158.5	185.0	132.1	145.3	26.4	66.1	13.2	-	-
Rice.........	487.4	226.9	134.5	92.4	84.0	8.4	8.4	16.8	25.2	16.8
Riley........	129.1	77.2	33.1	28.3	26.8	11.0	1.6	3.1	4.7	4.7
Rooks........	556.7	199.8	71.4	128.5	85.6	14.3	14.3	14.3	57.1	14.3
Rush.........	664.3	265.7	66.4	88.6	44.3	-	-	66.4	-	-
Russell......	563.8	259.4	112.8	22.6	45.1	-	11.3	45.1	-	45.1
Saline.......	319.0	155.4	120.6	34.8	26.6	22.5	8.2	12.3	2.0	6.1
Scott........	190.2	103.8	69.2	69.2	34.6	34.6	-	-	17.3	-
Sedgwick.....	270.1	147.1	67.9	45.8	22.9	11.7	12.8	16.1	5.7	6.8
Seward.......	333.9	146.4	29.3	58.6	35.1	17.6	-	-	5.9	11.7
Shawnee......	337.6	156.9	71.7	56.2	34.2	16.1	16.1	14.8	6.5	12.3
Sheridan.....	282.2	197.5	28.2	28.2	56.4	-	-	-	-	-
Sherman......	360.9	154.7	116.0	64.4	25.8	25.8	25.8	-	12.9	25.8
Smith........	739.9	185.0	201.8	33.6	33.6	50.4	33.6	-	33.6	-
Stafford.....	704.1	198.6	126.4	18.1	18.1	36.1	18.1	-	18.1	-
Stanton......	128.3	128.3	-	42.8	85.5	-	-	-	-	-
Stevens......	274.5	232.2	84.5	63.3	21.1	-	42.2	21.1	-	21.1
Sumner.......	429.2	316.9	108.3	64.2	36.1	44.1	24.1	8.0	16.0	8.0
Thomas.......	189.3	201.2	71.0	35.5	-	11.8	11.8	23.7	11.8	23.7
Trego........	480.2	264.1	144.1	72.0	96.0	-	48.0	-	-	-
Wabaunsee....	334.9	145.6	131.1	72.8	58.3	72.8	29.1	14.6	-	-
Wallace......	342.3	293.4	97.8	-	48.9	-	-	-	-	-
Washington...	620.4	175.6	152.2	93.6	46.8	58.5	11.7	-	-	-
Wichita......	296.0	98.7	98.7	-	-	98.7	-	-	-	32.9
Wilson.......	544.2	255.6	123.7	90.7	41.2	-	49.5	8.2	24.7	16.5
Woodson......	391.3	108.7	173.9	87.0	87.0	43.5	43.5	-	-	21.7
Wyandotte....	354.0	210.6	92.3	67.3	28.4	8.7	19.1	10.4	15.1	13.9

Table 34
Marriages by Number and Rate
By County of Marriage
Kansas, 1976-1980

County of Marriage	Year									
	1976		1977		1978		1979		1980	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas	23,559	10.1	23,673	10.1	23,975	10.2	24,774	10.5	24,847	10.5
Allen	177	11.2	157	10.0	152	9.5	164	10.2	164	10.5
Anderson	86	10.2	83	10.0	103	12.4	86	10.0	82	9.4
Atchison	168	8.1	175	8.1	153	7.4	174	9.8	183	9.9
Barber	70	10.2	85	12.8	65	9.8	71	10.9	83	12.7
Barton	355	9.8	372	10.0	376	9.9	337	10.6	426	13.6
Bourbon	170	10.7	169	10.1	157	9.5	170	10.6	174	10.9
Brown	123	9.5	127	9.8	118	9.3	99	8.5	109	9.1
Butler	378	9.2	402	9.5	427	9.7	434	9.9	343	7.7
Chase	56	15.9	37	10.9	26	7.8	37	10.5	35	10.6
Chautauqua	82	16.2	54	10.7	52	10.3	61	13.1	49	9.8
Cherokee	175	7.6	159	7.1	164	6.9	176	8.1	183	8.2
Cheyenne	26	6.3	42	10.5	46	11.6	34	8.7	35	9.5
Clark	26	9.1	22	8.0	23	8.5	29	10.1	16	6.2
Clay	106	10.5	88	8.8	111	11.1	112	11.1	85	8.7
Cloud	140	9.9	123	8.7	119	8.6	135	10.6	108	8.6
Coffey	80	10.2	76	9.5	88	10.9	84	9.6	87	9.3
Comanche	24	8.6	16	5.6	23	8.6	22	8.0	19	7.4
Cowley	353	10.0	342	9.7	360	10.2	381	10.9	410	11.1
Crawford	336	8.8	262	6.9	305	8.0	321	8.6	304	8.0
Decatur	77	15.4	62	12.6	70	14.3	50	9.9	62	13.8
Dickinson	222	10.0	271	12.0	242	10.7	261	12.4	187	9.3
Doniphan	114	11.4	83	8.3	115	11.8	111	12.3	68	7.3
Douglas	599	9.9	674	10.7	576	8.7	657	9.7	745	11.0
Edwards	57	12.4	55	12.3	38	8.7	50	11.0	39	9.1
Elk	31	7.6	39	9.7	31	7.7	30	7.6	34	8.7
Ellis	287	11.7	274	10.9	278	10.9	275	10.1	377	14.4
Ellsworth	72	10.0	58	8.0	74	10.4	70	11.1	44	6.6
Finney	254	10.1	289	11.0	255	8.9	271	11.0	297	12.5
Ford	281	11.4	261	10.4	274	11.0	280	11.6	326	13.4
Franklin	231	11.1	219	10.3	222	10.4	215	10.3	242	11.1
Geary	589	23.5	509	21.7	567	24.4	629	21.4	651	21.8
Gove	28	7.0	28	7.0	30	7.6	37	9.3	18	4.8
Graham	53	11.6	48	10.7	43	9.6	36	8.5	53	13.3
Grant	78	10.8	89	12.1	84	11.6	79	10.4	83	11.9
Gray	75	14.5	52	9.9	40	7.7	57	10.5	43	8.4
Greeley	24	10.6	25	11.4	23	11.0	24	12.7	28	15.2
Greenwood	86	9.4	84	9.2	76	8.5	90	9.6	74	8.4
Hamilton	27	8.6	26	8.3	24	7.8	43	14.4	23	9.1
Harper	70	8.7	53	6.6	70	8.7	59	7.4	104	13.4
Harvey	301	10.3	320	11.1	327	11.4	330	11.0	421	13.8
Haskell	32	7.7	48	11.4	33	8.0	33	7.8	38	10.0
Hodgeman	24	8.9	31	11.7	24	9.3	20	7.8	27	11.9
Jackson	118	10.3	93	8.0	73	6.3	97	7.9	84	7.2
Jefferson	122	9.2	143	10.3	148	10.5	144	9.8	87	5.7
Jewell	59	10.0	54	9.2	56	9.7	55	9.6	49	9.3
Johnson	1,940	8.0	2,125	8.5	2,187	8.5	2,364	8.8	2,301	8.5
Kearny	43	12.9	44	12.9	38	11.0	49	12.9	43	12.5
Kingman	74	7.4	119	11.8	99	10.1	91	10.1	96	10.7
Kiowa	50	12.0	43	10.1	33	7.9	40	9.6	42	10.4
Labette	189	7.7	186	7.4	196	7.8	198	7.8	172	6.7
Lane	23	8.1	29	10.2	24	8.6	17	6.3	23	9.3
Leavenworth	445	8.7	446	8.6	459	8.8	448	8.1	477	8.7
Lincoln	39	8.1	41	8.6	28	6.0	38	8.3	45	11.1
Linn	65	7.9	62	7.5	79	9.3	72	8.1	45	5.5
Logan	52	13.3	49	13.0	52	14.2	42	11.4	49	14.1

Table 34 (cont.)
Marriages by Number and Rate
By County of Marriage
Kansas, 1976-1980

County of Marriage	Year									
	1976		1977		1978		1979		1980	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	291	8.9	329	9.6	360	9.9	384	11.1	477	13.6
Marion	140	8.7	117	7.1	128	7.9	133	10.0	97	7.2
Marshall	140	10.0	157	11.6	127	9.5	142	10.4	125	9.8
McPherson	250	9.8	255	9.9	273	10.5	251	9.6	261	9.7
Meade	54	10.7	45	8.8	35	7.0	51	9.8	41	8.6
Miami	200	9.7	184	8.7	185	8.4	198	8.9	204	9.4
Mitchell	74	9.1	89	11.1	74	9.1	66	8.1	80	9.9
Montgomery	393	9.1	397	9.1	408	9.3	380	9.4	424	10.0
Morris	59	8.5	71	10.3	86	12.7	81	11.7	55	8.6
Morton	47	13.4	35	10.0	43	12.4	44	12.1	32	9.3
Nemaha	110	9.1	96	7.9	107	8.9	101	8.8	102	9.1
Neosho	191	10.8	181	10.1	144	7.9	154	8.2	189	10.0
Ness	36	7.9	41	8.5	52	11.1	39	8.2	39	8.7
Norton	76	10.7	69	9.7	74	10.2	84	12.7	57	8.5
Osage	147	10.8	143	10.4	138	9.7	163	11.1	127	8.3
Osborne	56	8.8	43	6.8	51	8.2	42	6.6	50	8.4
Ottawa	59	9.2	59	9.3	55	8.7	44	6.9	60	10.0
Pawnee	82	10.2	95	11.9	81	10.4	94	11.1	72	8.9
Phillips	73	8.8	85	10.2	81	10.1	93	11.9	77	10.4
Pottawatomie	95	7.1	132	9.6	110	7.7	115	8.1	95	6.4
Pratt	120	12.3	113	11.5	84	8.6	99	9.7	103	10.0
Rawlins	44	10.2	54	12.7	36	8.6	47	11.0	24	5.8
Reno	769	11.8	718	11.0	747	11.4	763	11.9	710	10.9
Republic	85	10.2	106	12.8	89	10.9	87	11.6	76	10.0
Rice	125	10.7	126	10.5	119	10.0	122	9.9	99	8.3
Riley	425	10.2	471	11.2	515	12.3	484	7.2	628	9.9
Rooks	84	11.2	71	9.8	86	11.6	73	10.0	61	8.7
Rush	51	9.8	47	9.2	37	7.5	35	7.2	27	6.0
Russell	111	11.5	84	8.9	90	9.6	113	12.4	100	11.3
Saline	529	10.6	572	11.8	552	11.7	556	10.9	604	12.4
Scott	68	10.1	64	9.2	81	12.2	66	10.6	50	8.6
Sedgwick	4,184	12.2	4,102	12.0	4,261	12.5	4,514	12.8	4,646	12.7
Seward	178	10.7	186	10.9	186	10.7	190	11.0	207	12.1
Shawnee	1,525	8.7	1,652	9.3	1,649	9.2	1,651	10.4	1,696	10.9
Sheridan	39	10.4	30	7.9	24	6.2	34	8.5	20	5.6
Sherman	98	11.6	83	9.7	78	9.6	94	11.6	96	12.4
Smith	78	12.0	63	9.6	65	10.1	68	10.6	62	10.4
Stafford	57	9.2	48	7.8	59	9.5	46	7.2	38	6.9
Stanton	25	9.4	21	7.7	29	11.6	26	9.5	24	10.3
Stevens	43	9.5	48	10.1	67	14.2	52	10.4	45	9.5
Sumner	245	10.2	300	12.4	314	12.9	301	12.3	214	8.6
Thomas	85	10.5	79	9.5	84	10.2	79	9.0	106	12.5
Trego	36	8.0	38	8.4	34	7.7	46	10.2	30	7.2
Wabaunsee	60	8.9	66	9.7	51	7.5	63	8.9	25	3.6
Wallace	28	12.5	22	9.7	32	14.3	24	11.2	21	10.3
Washington	64	7.0	84	9.3	83	9.2	86	9.5	70	8.2
Wichita	38	10.4	36	10.4	36	10.7	29	8.6	24	7.9
Wilson	128	9.9	123	9.9	100	7.6	113	9.4	95	7.8
Woodson	47	10.0	50	10.6	33	7.0	45	10.8	39	8.5
Wyandotte	1,855	9.9	1,770	9.8	1,886	10.4	1,920	11.3	1,850	10.7

Table 35
Divorces and Annulments by Number and Rate
By County of Action
Kansas, 1976-1980

County of Action	Year									
	1976		1977		1978		1979		1980	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas..........	12,833	5.5	12,629	5.4	12,668	5.4	12,749	5.4	13,410	5.7
Allen...........	62	3.9	110	7.0	112	7.0	121	7.5	115	7.3
Anderson........	16	1.9	22	2.6	20	2.4	23	2.7	33	3.8
Atchison........	77	3.7	65	3.0	105	5.1	85	4.8	92	5.0
Barber..........	32	4.6	32	4.8	26	3.9	29	4.5	28	4.3
Barton..........	165	4.5	222	6.0	163	4.3	189	5.9	206	6.6
Bourbon.........	88	5.6	87	5.2	76	4.6	125	7.8	96	6.0
Brown...........	40	3.1	29	2.2	51	4.0	49	4.2	48	4.0
Butler..........	206	5.0	202	4.8	225	5.1	256	5.9	260	5.8
Chase...........	12	3.4	14	4.1	14	4.2	9	2.6	9	2.7
Chautauqua......	20	4.0	22	4.4	24	4.7	30	6.5	22	4.4
Cherokee........	116	5.0	101	4.5	131	5.5	172	8.0	146	6.5
Cheyenne........	11	2.7	12	3.0	12	3.0	8	2.0	19	5.2
Clark...........	-	-	-	-	1	0.4	4	1.4	10	3.8
Clay............	37	3.7	40	4.0	41	4.1	35	3.5	34	3.5
Cloud...........	39	2.8	51	3.6	42	3.0	49	3.8	44	3.5
Coffey..........	29	3.7	40	5.0	53	6.5	42	4.8	63	6.7
Comanche........	10	3.6	5	1.8	7	2.6	7	2.5	9	3.5
Cowley..........	219	6.2	243	6.9	225	6.4	222	6.3	306	8.3
Crawford........	194	5.1	167	4.4	175	4.6	232	6.2	232	6.1
Decatur.........	16	3.2	15	3.0	16	3.3	13	2.6	15	3.3
Dickinson.......	82	3.7	58	2.6	67	3.0	76	3.6	74	3.7
Doniphan........	33	3.3	37	3.7	43	4.4	38	4.2	37	4.0
Douglas.........	364	6.0	389	6.2	366	5.6	398	5.9	454	6.7
Edwards.........	16	3.5	23	5.2	19	4.3	25	5.5	25	5.9
Elk.............	11	2.7	7	1.7	15	3.7	14	3.5	21	5.4
Ellis...........	86	3.5	93	3.7	111	4.3	95	3.5	131	5.0
Ellsworth.......	26	3.6	22	3.0	24	3.4	26	4.1	29	4.4
Finney..........	135	5.4	149	5.7	168	5.8	222	9.0	192	8.1
Ford............	146	5.9	160	6.4	130	5.2	139	5.7	131	5.4
Franklin........	106	5.1	97	4.6	143	6.7	116	5.5	115	5.3
Geary...........	390	15.6	373	15.9	307	13.2	340	11.6	347	11.6
Gove............	7	1.8	7	1.8	9	2.3	5	1.3	10	2.7
Graham..........	16	3.5	13	2.9	11	2.5	13	3.1	25	6.3
Grant...........	45	6.3	36	4.9	35	4.8	45	5.9	43	6.2
Gray............	15	2.9	11	2.1	12	2.3	16	2.9	11	2.1
Greeley.........	7	3.1	8	3.6	8	3.8	10	5.3	11	6.0
Greenwood.......	44	4.8	36	4.0	54	6.1	47	5.0	47	5.4
Hamilton........	15	4.8	20	6.4	13	4.2	13	4.4	17	6.8
Harper..........	32	4.0	20	2.5	32	4.0	26	3.3	33	4.2
Harvey..........	144	4.9	149	5.2	141	4.9	119	4.0	134	4.4
Haskell.........	25	6.0	10	2.4	14	3.4	15	3.5	15	3.9
Hodgeman........	1	0.4	4	1.5	3	1.2	8	3.1	7	3.1
Jackson.........	42	3.7	36	3.1	61	5.3	50	4.1	39	3.3
Jefferson.......	35	2.6	37	2.7	48	3.4	33	2.2	62	4.1
Jewell..........	17	2.9	16	2.7	18	3.1	14	2.4	17	3.2
Johnson.........	1,274	5.2	1,103	4.4	1,075	4.2	1,086	4.1	1,091	4.0
Kearny..........	17	5.1	13	3.8	10	2.9	17	4.5	14	4.1
Kingman.........	46	4.6	38	3.8	49	5.0	34	3.8	37	4.1
Kiowa...........	10	2.4	10	2.3	10	2.4	14	3.4	11	2.7
Labette.........	122	5.0	161	6.4	141	5.6	137	5.4	127	4.9
Lane............	7	2.5	14	4.9	14	5.0	8	3.0	7	2.8
Leavenworth.....	330	6.4	364	7.0	355	6.8	344	6.2	283	5.2
Lincoln.........	17	3.5	18	3.8	15	3.2	10	2.2	14	3.4
Linn............	34	4.1	26	3.1	36	4.2	30	3.4	37	4.5
Logan...........	5	1.3	13	3.4	8	2.2	12	3.3	20	5.8

Table 35 (cont.)
Divorces and Annulments by Number and Rate
By County of Action
Kansas, 1976-1980

County of Action	Year									
	1976		1977		1978		1979		1980	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	155	4.7	160	4.7	166	4.6	192	5.6	229	6.5
Marion	32	2.0	32	1.9	39	2.4	23	1.7	49	3.6
Marshall	39	2.8	25	1.8	41	3.1	30	2.2	37	2.9
McPherson	111	4.4	77	3.0	102	3.9	92	3.5	121	4.5
Meade	18	3.6	24	4.7	17	3.4	11	2.1	12	2.5
Miami	94	4.6	112	5.3	128	5.8	100	4.5	139	6.4
Mitchell	29	3.6	20	2.5	27	3.3	30	3.7	17	2.1
Montgomery	231	5.4	207	4.8	249	5.7	284	7.0	237	5.6
Morris	21	3.0	26	3.8	21	3.1	39	5.6	39	6.1
Morton	23	6.6	11	3.2	10	2.9	14	3.8	22	6.4
Nemaha	16	1.3	24	2.0	22	1.8	17	1.5	22	2.0
Neosho	76	4.3	88	4.9	73	4.0	82	4.4	81	4.3
Ness	6	1.3	10	2.1	6	1.3	14	3.0	9	2.0
Norton	12	1.7	16	2.3	24	3.3	31	4.7	23	3.4
Osage	62	4.6	53	3.8	32	2.2	40	2.7	55	3.6
Osborne	22	3.5	10	1.6	29	4.6	16	2.5	29	4.9
Ottawa	21	3.3	15	2.4	28	4.4	26	4.1	24	4.0
Pawnee	30	3.7	34	4.3	37	4.7	33	3.9	32	4.0
Phillips	29	3.5	18	2.2	34	4.2	33	4.2	26	3.5
Pottawatomie	56	4.2	45	3.3	60	4.2	61	4.3	58	3.9
Pratt	51	5.2	72	7.4	46	4.7	73	7.1	50	4.9
Rawlins	9	2.1	17	4.0	12	2.9	12	2.8	12	2.9
Reno	360	5.5	465	7.1	491	7.5	445	6.9	473	7.3
Republic	20	2.4	19	2.3	24	2.9	19	2.5	29	3.8
Rice	42	3.6	44	3.7	32	2.7	32	2.6	34	2.9
Riley	165	3.9	203	4.8	236	5.6	245	3.6	236	3.7
Rooks	20	2.7	23	3.2	16	2.2	10	1.4	23	3.3
Rush	10	1.9	6	1.2	12	2.4	14	2.9	4	0.9
Russell	35	3.6	38	4.0	39	4.1	35	3.8	40	4.5
Saline	281	5.6	326	6.7	339	7.2	251	4.9	297	6.1
Scott	29	4.3	19	2.7	26	3.9	28	4.5	14	2.4
Sedgwick	3,007	8.8	2,869	8.4	3,007	8.8	2,967	8.4	3,160	8.6
Seward	116	7.0	147	8.6	105	6.1	83	4.8	83	4.9
Shawnee	1,069	6.1	975	5.5	803	4.5	846	5.3	909	5.9
Sheridan	10	2.7	3	0.8	5	1.3	6	1.5	4	1.1
Sherman	38	4.5	32	3.8	40	4.9	44	5.4	67	8.6
Smith	14	2.2	17	2.6	19	3.0	15	2.3	14	2.4
Stafford	28	4.5	21	3.4	23	3.7	15	2.3	17	3.1
Stanton	13	4.9	12	4.4	13	5.2	5	1.8	10	4.3
Stevens	22	4.9	23	4.8	23	4.9	29	5.8	17	3.6
Sumner	102	4.3	111	4.6	129	5.3	98	4.0	91	3.7
Thomas	38	4.7	31	3.7	36	4.4	33	3.8	38	4.5
Trego	6	1.3	20	4.4	15	3.4	8	1.8	17	4.1
Wabaunsee	17	2.5	17	2.5	11	1.6	16	2.3	15	2.2
Wallace	6	2.7	6	2.6	9	4.0	5	2.3	2	1.0
Washington	17	1.9	20	2.2	23	2.5	6	0.7	23	2.7
Wichita	5	1.4	17	4.9	14	4.2	15	4.5	21	6.9
Wilson	65	5.0	63	5.1	72	5.5	65	5.4	69	5.7
Woodson	24	5.1	8	1.7	17	3.6	21	5.1	18	3.9
Wyandotte	1,040	5.6	948	5.2	802	4.4	845	5.0	907	5.3

Table 36
Population, Live Births and Total Deaths
By City of Residence
Kansas, 1979 and 1980

City of Residence	1979					1980				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Abilene............	6,563	101	15.4	88	13.4	6,572	92	14.0	103	15.7
Anthony............	2,627	34	12.9	40	15.2	2,661	38	14.3	52	19.5
Arkansas City......	12,655	229	18.1	168	13.3	13,201	247	18.7	182	13.8
Atchison...........	10,657	177	16.6	157	14.7	11,407	158	13.9	125	11.0
Augusta............	6,602	105	15.9	73	11.1	6,968	133	19.1	63	9.0
Baldwin City.......	2,610	32	12.3	19	7.3	2,829	28	9.9	26	9.2
Baxter Springs.....	4,379	78	17.8	60	13.7	4,773	62	13.0	68	14.2
Belleville.........	2,481	30	12.1	50	20.2	2,805	32	11.4	41	14.6
Beloit.............	4,177	65	15.6	66	15.8	4,367	64	14.7	57	13.1
Bonner Springs.....	6,901	97	14.1	44	6.4	6,226	107	17.1	44	7.0
Chanute............	10,012	163	16.3	130	13.0	10,506	160	15.2	147	14.0
Cherryvale.........	2,678	43	16.1	43	16.1	2,769	56	20.2	39	14.1
Clay Center........	5,069	62	12.2	88	17.4	4,948	65	13.1	97	19.6
Coffeyville........	14,356	260	18.1	176	12.3	15,185	236	15.5	225	14.8
Colby..............	5,516	98	17.8	46	8.3	5,544	91	16.4	38	6.9
Columbus...........	3,254	56	17.2	54	16.6	3,426	45	13.1	67	19.6
Concordia..........	6,586	93	14.1	93	14.1	6,847	104	15.2	96	14.0
Derby..............	9,080	131	14.4	40	4.4	9,786	124	12.7	33	3.4
Dodge City.........	15,692	338	21.5	147	9.4	18,001	394	21.9	148	8.2
El Dorado..........	12,224	155	12.7	141	11.5	10,510	189	18.0	186	17.7
Emporia............	24,177	448	18.5	208	8.6	25,287	474	18.7	234	9.3
Eureka.............	3,558	33	9.3	61	17.1	3,425	40	11.7	53	15.5
Fairway............	6,377	45	7.1	40	6.3	4,619	51	11.0	29	6.3
Fort Scott.........	8,786	137	15.6	148	16.8	8,893	145	16.3	139	15.6
Fredonia...........	3,090	48	15.5	44	14.2	3,047	42	13.8	58	19.0
Galena.............	3,257	63	19.3	55	16.9	3,587	50	13.9	59	16.4
Garden City........	19,221	418	21.7	113	5.9	18,256	450	24.6	152	8.3
Garnett............	3,213	38	11.8	59	18.4	3,310	63	19.0	46	13.9
Girard.............	2,643	49	18.5	34	12.9	2,888	44	15.2	47	16.3
Goodland...........	5,750	94	16.3	50	8.7	5,708	102	17.9	64	11.2
Great Bend.........	16,372	274	16.7	131	8.0	16,608	294	17.7	163	9.8
Hays...............	17,746	316	17.8	98	5.5	16,301	329	20.2	110	6.7
Haysville..........	8,489	104	12.3	29	3.4	8,006	124	15.5	34	4.2
Herington..........	3,086	41	13.3	49	15.9	2,930	22	7.5	48	16.4
Hiawatha...........	3,435	58	16.9	46	13.4	3,702	45	12.2	69	18.6
Hillsboro..........	2,290	44	19.2	25	10.9	2,717	32	11.8	41	15.1
Hoisington.........	3,879	57	14.7	46	11.9	3,678	61	16.6	38	10.3
Holton.............	3,094	45	14.5	49	15.8	3,132	41	13.1	48	15.3
Hugoton............	3,337	68	20.4	31	9.3	3,165	57	18.0	31	9.8
Hutchinson.........	41,903	646	15.4	428	10.2	40,284	757	18.8	408	10.1
Independence.......	10,439	169	16.2	154	14.8	10,598	176	16.6	164	15.5
Iola...............	6,917	112	16.2	115	16.6	6,938	113	16.3	120	17.3
Junction City......	19,048	747	39.2	155	8.1	19,305	711	36.8	170	8.8
Kansas City........	160,944	3,083	19.2	1,621	10.1	161,087	3,305	20.5	1,737	10.8
Kingman............	3,614	50	13.8	49	13.6	3,563	52	14.6	56	15.7

Table 36 (cont.)
Population, Live Births and Total Deaths
By City of Residence
Kansas, 1979 and 1980

City of Residence	1979					1980				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Lansing............	4,117	67	16.3	24	5.8	5,307	59	11.1	18	3.4
Larned.............	4,735	69	14.6	82	17.3	4,811	75	15.6	52	10.8
Lawrence...........	53,090	668	12.6	248	4.7	52,738	767	14.5	274	5.2
Leavenworth........	34,272	493	14.4	259	7.6	33,656	471	14.0	302	9.0
Leawood............	13,082	109	8.3	87	6.7	13,360	118	8.8	78	5.8
Lenexa.............	14,194	322	22.7	74	5.2	18,639	303	16.3	81	4.3
Liberal............	15,240	322	21.1	123	8.1	14,911	354	23.7	118	7.9
Lindsborg..........	3,020	25	8.3	43	14.2	3,155	31	9.8	37	11.7
Lyons..............	4,345	65	15.0	49	11.3	4,152	72	17.3	60	14.5
Manhattan..........	35,781	634	17.7	186	5.2	32,644	651	19.9	187	5.7
Marysville.........	3,714	44	11.8	63	17.0	3,670	45	12.3	66	18.0
McPherson..........	11,118	199	17.9	102	9.2	11,753	184	15.7	122	10.4
Medicine Lodge.....	2,373	37	15.6	26	11.0	2,384	37	15.5	29	12.2
Merriam............	11,898	168	14.1	52	4.4	10,794	173	16.0	64	5.9
Mission............	8,712	100	11.5	78	9.0	8,643	120	13.9	64	7.4
Mission Hills......	4,455	11	2.5	30	6.7	3,904	12	3.1	27	6.9
Mulvane............	4,062	85	20.9	28	6.9	4,254	71	16.7	33	7.8
Neodesha...........	3,678	56	15.2	57	15.5	3,414	52	15.2	45	13.2
Newton.............	15,790	250	15.8	166	10.5	16,332	303	18.6	177	10.8
Norton.............	3,414	43	12.6	51	14.9	3,400	39	11.5	53	15.6
Olathe.............	32,920	828	25.2	154	4.7	37,258	803	21.6	156	4.2
Osage City.........	2,419	24	9.9	51	21.1	2,667	34	12.7	56	21.0
Osawatomie.........	4,519	63	13.9	57	12.6	4,459	66	14.8	61	13.7
Ottawa.............	10,398	194	18.7	115	11.1	11,016	164	14.9	136	12.3
Overland Park......	84,452	1,004	11.9	378	4.5	81,784	1,040	12.7	414	5.1
Paola..............	4,856	66	13.6	64	13.2	4,557	64	14.0	74	16.2
Parsons............	12,097	215	17.8	170	14.1	12,898	239	18.5	153	11.9
Phillipsburg.......	3,167	48	15.2	42	13.3	3,229	50	15.5	40	12.4
Pittsburg..........	18,442	275	14.9	243	13.2	18,770	257	13.7	258	13.7
Plainville.........	2,405	31	12.9	24	10.0	2,458	48	19.5	28	11.4
Prairie Village....	26,252	300	11.4	166	6.3	24,657	330	13.4	164	6.7
Pratt..............	6,832	102	14.9	94	13.8	6,885	111	16.1	78	11.3
Roeland Park.......	12,737	98	7.7	64	5.0	7,962	106	13.3	58	7.3
Russell............	5,412	84	15.5	56	10.3	5,427	76	14.0	66	12.2
Salina.............	40,123	648	16.2	338	8.4	41,843	711	17.0	351	8.4
Scott City.........	4,366	68	15.6	34	7.8	4,154	70	16.9	33	7.9
Shawnee............	26,129	470	18.0	126	4.8	29,653	501	16.9	132	4.5
Topeka.............	123,048	1,996	16.2	1,141	9.3	115,266	2,158	18.7	1,230	10.7
Ulysses............	4,635	96	20.7	28	6.0	4,653	125	26.9	37	8.0
Valley Center......	3,035	50	16.5	11	3.6	3,300	56	17.0	22	6.7
Wamego.............	3,138	62	19.8	40	12.7	3,159	56	17.7	34	10.8
Wellington.........	7,686	150	19.5	117	15.2	8,212	143	17.4	107	13.0
Wichita............	266,208	5,572	20.9	2,439	9.2	279,272	5,875	21.0	2,399	8.6
Winfield...........	10,997	150	13.6	130	11.8	10,736	171	15.9	136	12.7

Source: Bureau of Registration and Health Statistics (1979)
U.S. Bureau of the Census (1980)

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A PROFILE OF KANSAS

Selected Vital Statistics, 1980

Vital Event	Kansas	United States*
Population	2,363,208	222,300,000
Live Births	40,686	3,598,000
Rate per 1,000 population	17.2	16.2
Fetal Deaths (stillbirths)	340	**
Rate per 1,000 total births	8.3	**
Infant Deaths	412	45,000
Rate per 1,000 live births	10.1	12.5
Maternal Deaths	4	**
Rate per 10,000 live births	1.0	**
Total Deaths	21,910	1,986,000
Rate per 1,000 population	9.3	8.9
Marriages	24,847	2,413,000
Rate per 1,000 population	10.5	10.9
Divorces and Annulments	13,410	1,182,000
Rate per 1,000 population	5.7	5.3
Cause-Specific Death Rates per 100,000 Population:		
Heart disease	354.1	342.3
Cancer	177.1	186.3
Cerebrovascular disease	84.9	76.2
Accidents	56.0	47.0
Pneumonia and Influenza	32.0	23.6
Atherosclerosis	19.1	13.4
Diabetes mellitus	15.4	15.4
Suicide	10.9	11.9

*Estimates

**Not available at time of publication.

Source: Bureau of Registration and Health Statistics
Department of Health and Environment

Population, Births, Deaths, Marriages, and Divorces
Kansas Counties 1980

County	Population	Births	Deaths	Marriages	Divorces*
ALLEN	15,654	273	231	164	115
ANDERSON	8,749	147	99	82	33
ATCHISON	18,397	275	176	133	92
BARBER	6,548	106	88	83	28
BARTON	31,343	544	313	426	206
BOURBON	15,969	239	221	174	96
BROWN	11,955	188	177	109	48
BUTLER	44,782	753	413	343	260
CHASE	3,309	44	37	35	9
CHAUTAUQUA	5,016	53	73	49	22
CHEROKEE	22,304	306	339	153	146
CHEYENNE	3,678	44	51	35	19
CLARK	2,599	30	33	16	10
CLAY	9,802	145	149	85	34
CLOUD	12,494	177	181	108	44
COFFEY	9,370	161	114	87	63
COMANCHE	2,554	39	35	19	9
COWLEY	36,824	599	421	410	306
CRAWFORD	37,916	538	510	394	232
DECATUR	4,509	60	75	62	15
DICKINSON	20,175	251	261	187	74
DONIPHAN	9,268	137	112	68	37
DOUGLAS	67,640	964	373	745	454
EDWARDS	4,271	61	62	39	25
ELK	3,918	36	68	34	21
ELLIS	26,098	480	168	377	131
ELLSWORTH	6,640	101	87	44	29
FINNEY	23,825	595	195	297	192
FORD	24,315	509	215	326	131
FRANKLIN	21,813	325	226	242	115
GEARY	29,852	1,272	203	651	347
GOVE	3,726	60	35	18	10
GRAHAM	3,995	58	46	53	25
GRANT	6,977	130	42	33	43
GRAY	5,138	100	48	43	11
GREELEY	1,845	42	13	78	11
GREENWOOD	8,764	109	128	74	47
HAMILTON	2,514	36	30	23	17
HARPER	7,778	116	107	104	33
HARVEY	30,531	531	279	421	134
HASKELL	3,814	97	27	38	15
HODGEMAN	2,269	37	32	27	7
JACKSON	11,644	176	126	84	39
JEFFERSON	15,207	252	131	87	62
JEWELL	5,241	46	71	49	17
JOHNSON	270,269	4,532	1,460	2,351	1,091
KEARNY	3,435	79	28	43	14
KINGMAN	8,960	136	119	96	37
KIOWA	4,046	70	35	42	11
LABETTE	25,682	427	282	172	127
LANE	2,472	40	26	23	7

County	Population	Births	Deaths	Marriages	Divorces*
LEAVENWORTH	54,809	777	421	477	283
LINCOLN	4,145	51	68	46	14
LINN	8,234	126	103	45	37
LOGAN	3,478	60	55	49	20
LYON	35,108	653	327	477	229
MARION	13,522	171	175	97	49
MARSHALL	12,720	193	179	125	37
MCPHERSON	26,855	422	288	261	121
MEADE	4,788	83	41	41	12
MIAMI	21,618	321	214	204	139
MITCHELL	8,117	134	99	80	17
MONTGOMERY	42,281	703	544	424	237
MO[illegible]IS	6,419	77	107	55	39
MO[illegible]ON	3,454	70	26	32	22
NEMAHA	11,211	190	119	102	22
NEOSHO	18,967	291	232	139	81
NESS	4,498	82	63	39	9
NORTON	6,689	95	89	57	23
OSAGE	15,319	235	206	127	55
OSBORNE	5,959	77	59	50	29
OTTAWA	5,971	87	78	60	24
PAWNEE	8,065	135	73	72	32
PHILLIPS	7,406	106	87	77	26
POTTAWATOMIE	14,782	273	149	95	58
PRATT	10,275	182	115	103	50
RAWLINS	4,105	66	51	24	12
RENO	64,983	1,114	595	710	473
REPUBLIC	7,569	96	118	76	29
RICE	11,900	133	161	99	34
RILEY	63,505	944	255	628	236
ROOKS	7,006	112	90	61	23
RUSH	4,516	71	66	27	4
RUSSELL	8,868	132	113	100	40
SALINE	48,905	813	404	604	297
SCOTT	5,782	95	36	50	14
SEDGWICK	366,531	7,294	2,717	4,646	3,160
SEWARD	17,071	404	127	207	83
SHAWNEE	154,916	2,588	1,380	1,696	909
SHERIDAN	3,544	60	26	20	4
SHERMAN	7,759	138	75	96	67
SMITH	5,947	79	87	62	14
STAFFORD	5,539	74	77	38	17
STANTON	2,339	54	9	24	10
STEVENS	4,736	89	42	45	17
SUMNER	24,928	432	322	214	91
THOMAS	8,451	146	59	106	38
TREGO	4,165	63	56	32	17
WABAUNSEE	6,867	95	69	25	15
WALLACE	2,045	41	19	21	2
WASHINGTON	8,543	113	120	70	23
WICHITA	3,041	62	24	24	21
WILSON	12,128	150	159	[illegible]	69
WOODSON	4,600	72	60	39	18
WYANDOTTE	172,335	3,522	1,835	1,850	907

*Includes annulments

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Deaths From Selected Causes by Age Group
Kansas, 1980

Cause of Death	Total No.	Age Group of Decedent										
		Under 1	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 54	55 - 64	65 - 74	75 & Over	N.S.
Total, All Causes	21,910	412	85	112	536	454	460	1,126	2,622	4,532	11,569	2
Heart disease	8,369	5	3	1	11	21	90	367	920	1,798	5,153	-
Cancer	4,185	-	4	15	28	55	100	338	852	1,221	1,571	1
Cerebrovascular Disease	2,006	-	1	-	2	7	18	33	127	332	1,486	-
Accidents	1,323	13	32	67	324	175	95	100	103	132	282	-
Motor vehicle	629	2	10	37	241	116	59	44	37	33	50	-
Other accidents	694	11	22	30	83	59	36	56	66	99	232	-
Pneumonia and Influenza	756	11	3	-	1	6	3	14	41	77	600	-
Atherosclerosis	452	-	-	-	-	-	-	1	6	30	415	-
Diabetes Mellitus	363	-	-	1	1	3	12	23	56	84	183	-
Suicide	257	-	-	1	64	57	28	29	31	25	22	-
Nephritis, Nephrotic Syndrome and Nephrosis	208	2	-	-	3	3	4	8	8	39	141	-
Chronic Liver Disease and Cirrhosis	207	-	-	-	-	4	17	47	73	45	21	-
Homicide	174	4	7	3	48	55	21	22	8	4	2	-
Emphysema	134	-	-	-	1	-	-	3	27	47	56	-
Hypertension	81	-	-	-	-	1	2	2	8	13	55	-

Kansas residence data.